PRINT OF DRAWINGS AS ORIGINALLY FILED

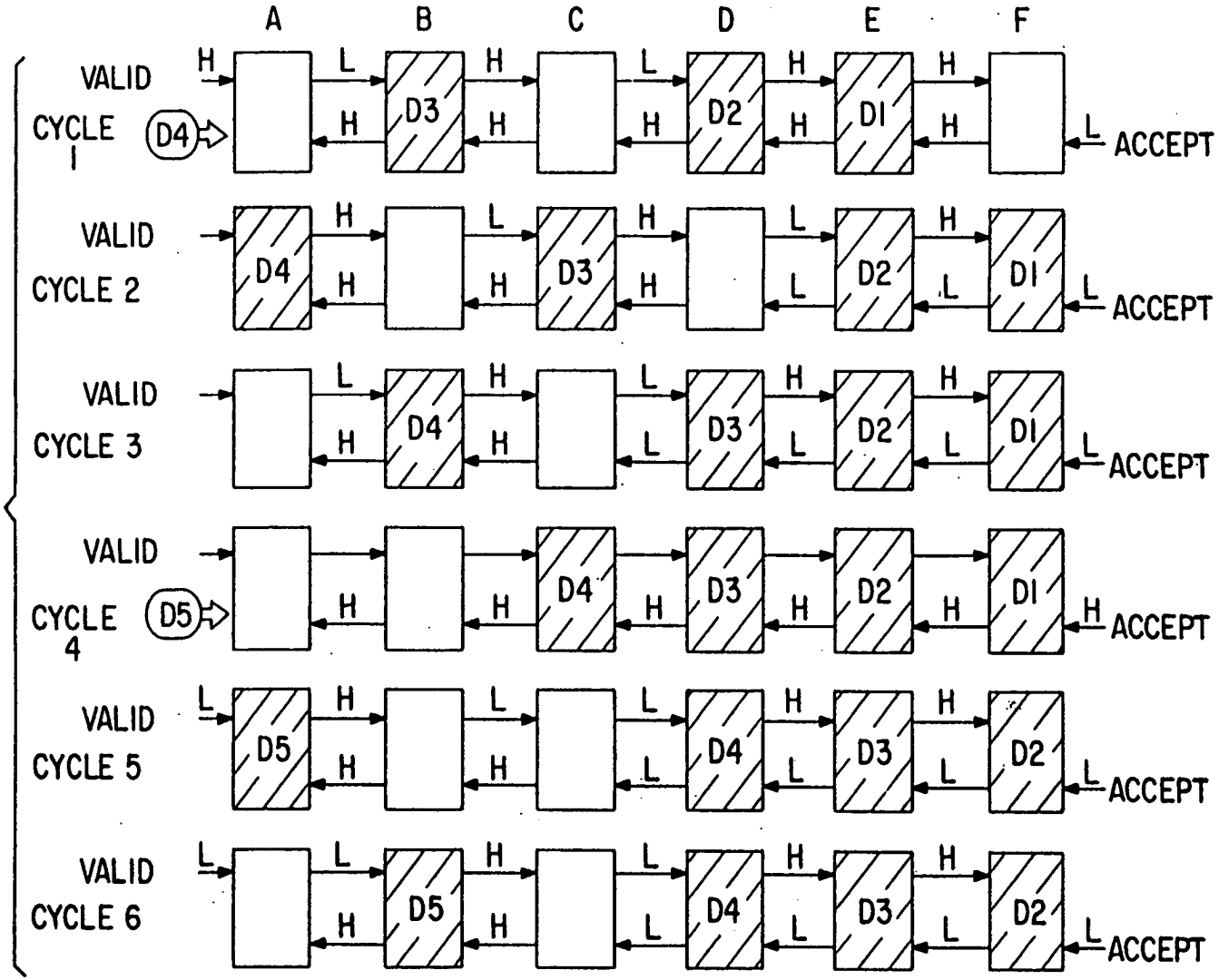


FIG. 1

PRINT OF DRAWINGS AS ORIGINALLY FILED

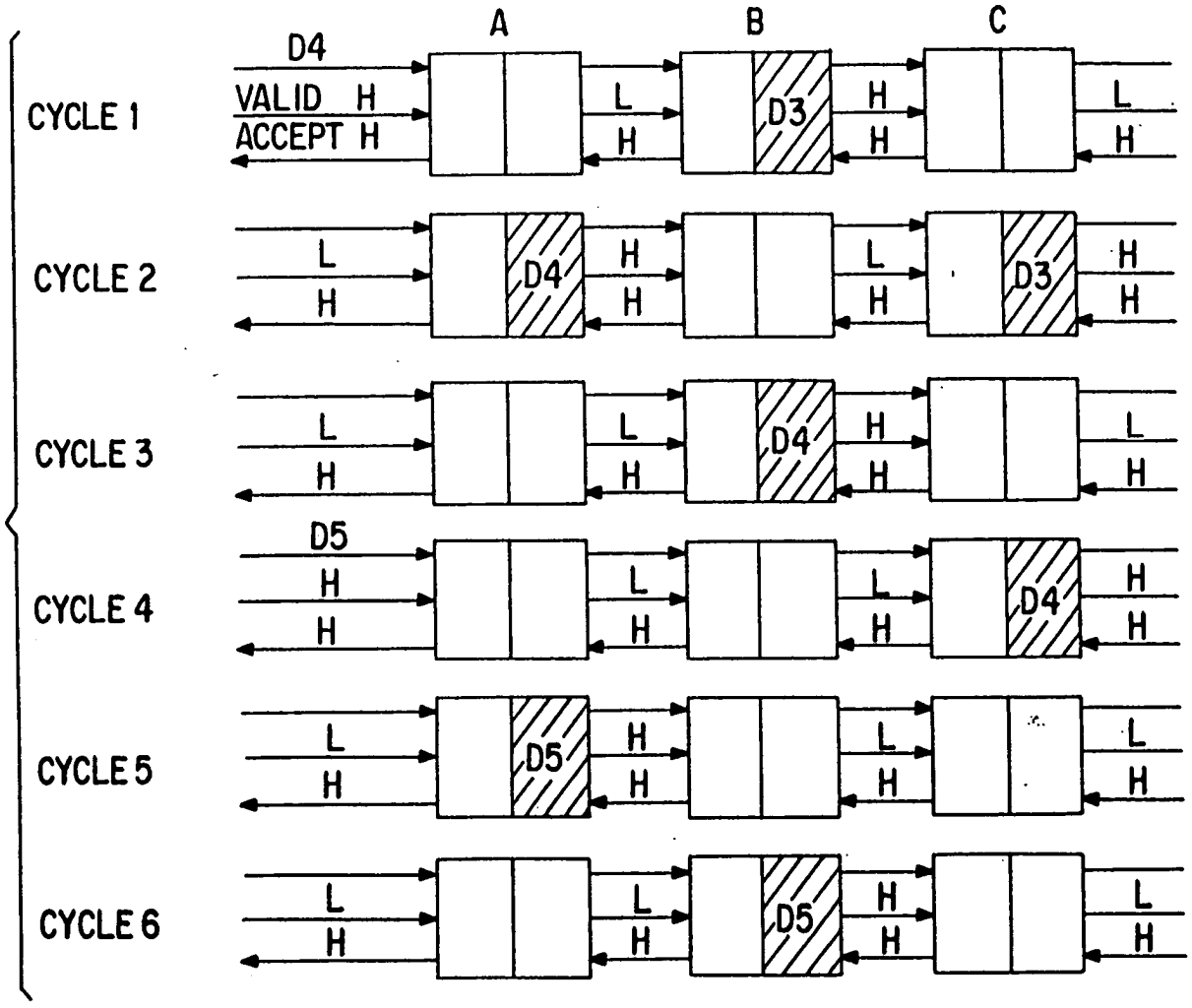


FIG. 2(A)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

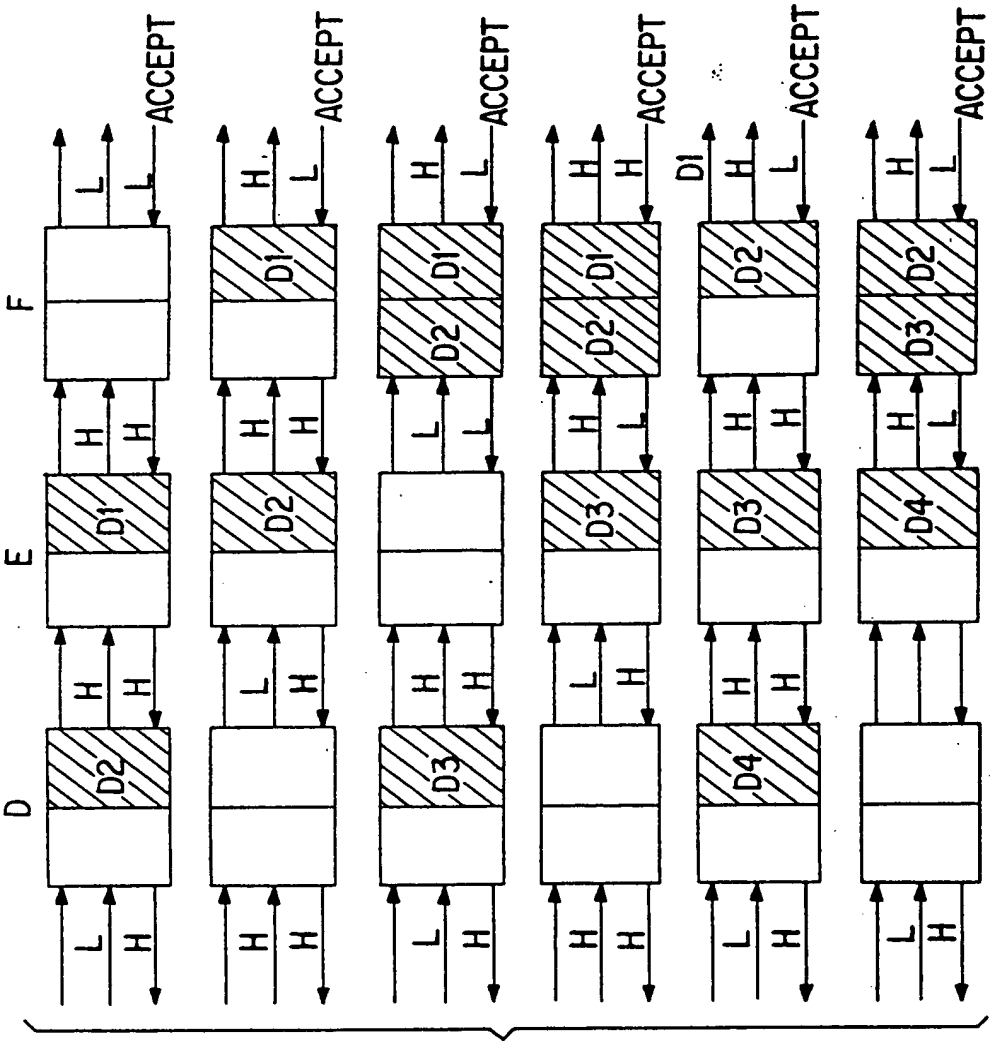


FIG.2(B)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

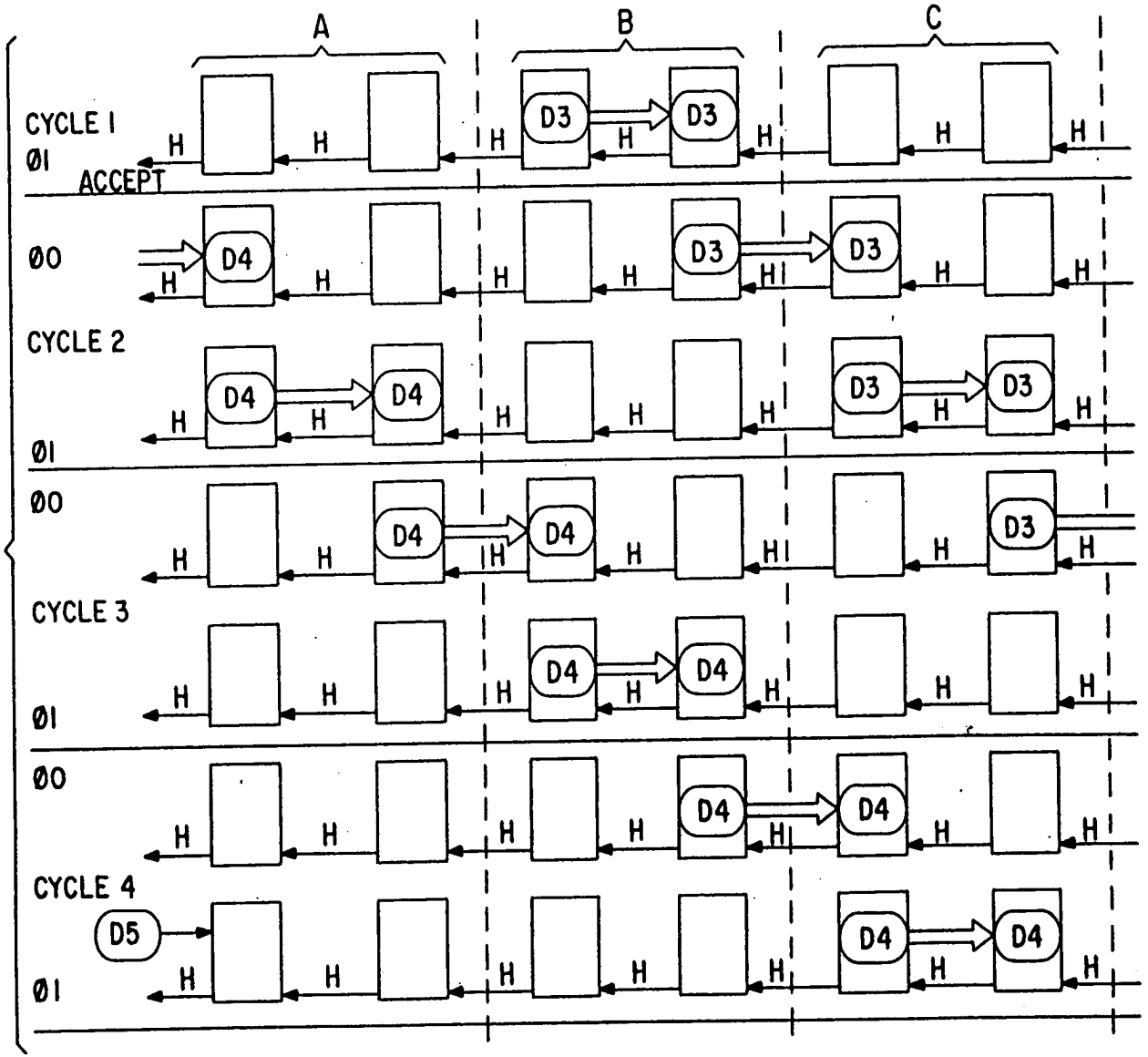


FIG. 3A-1

PRINT OF DRAWINGS
AS ORIGINALLY FILED

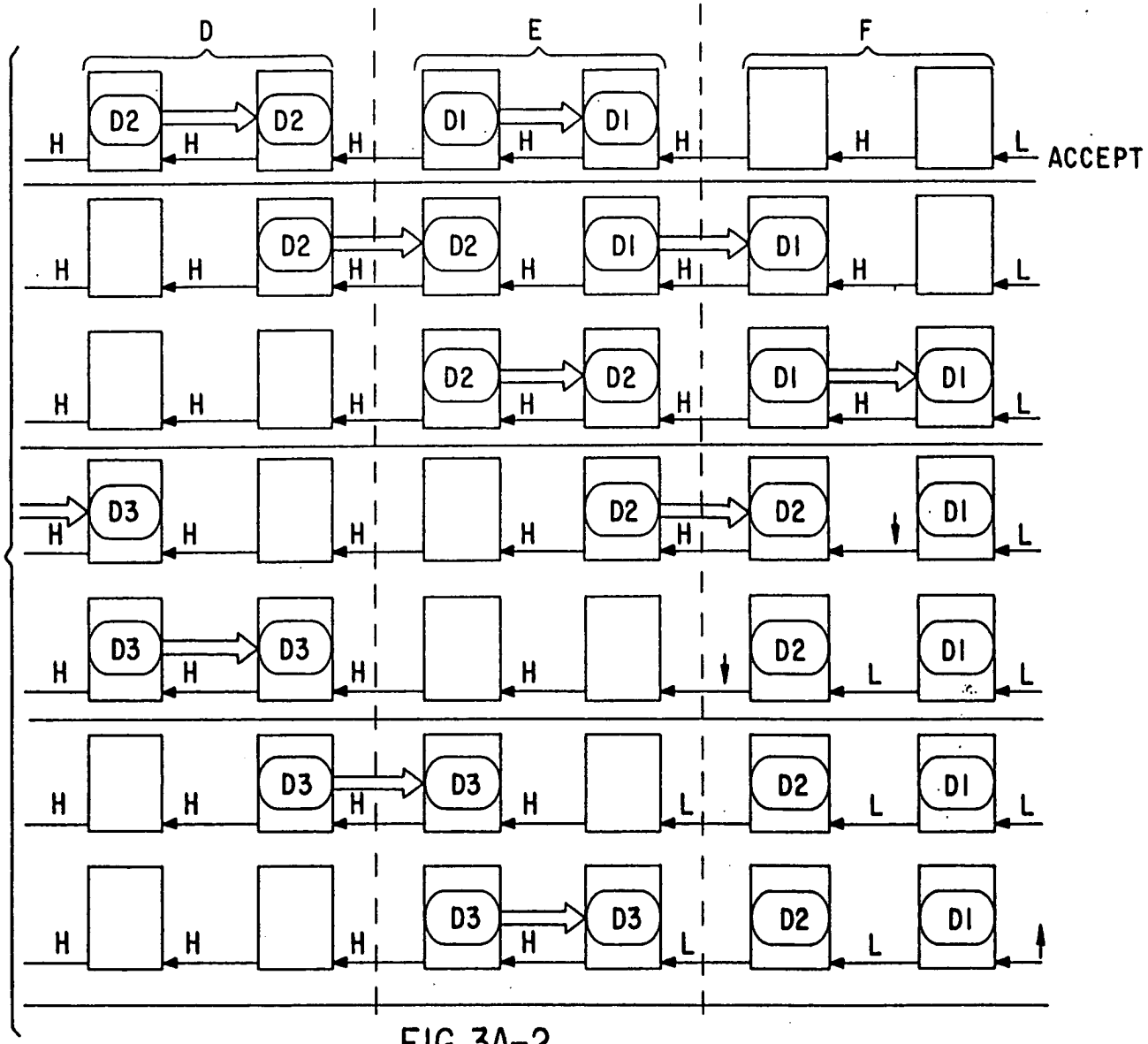


FIG. 3A-2

PRINT OF DRAWINGS
AS ORIGINALLY FILED

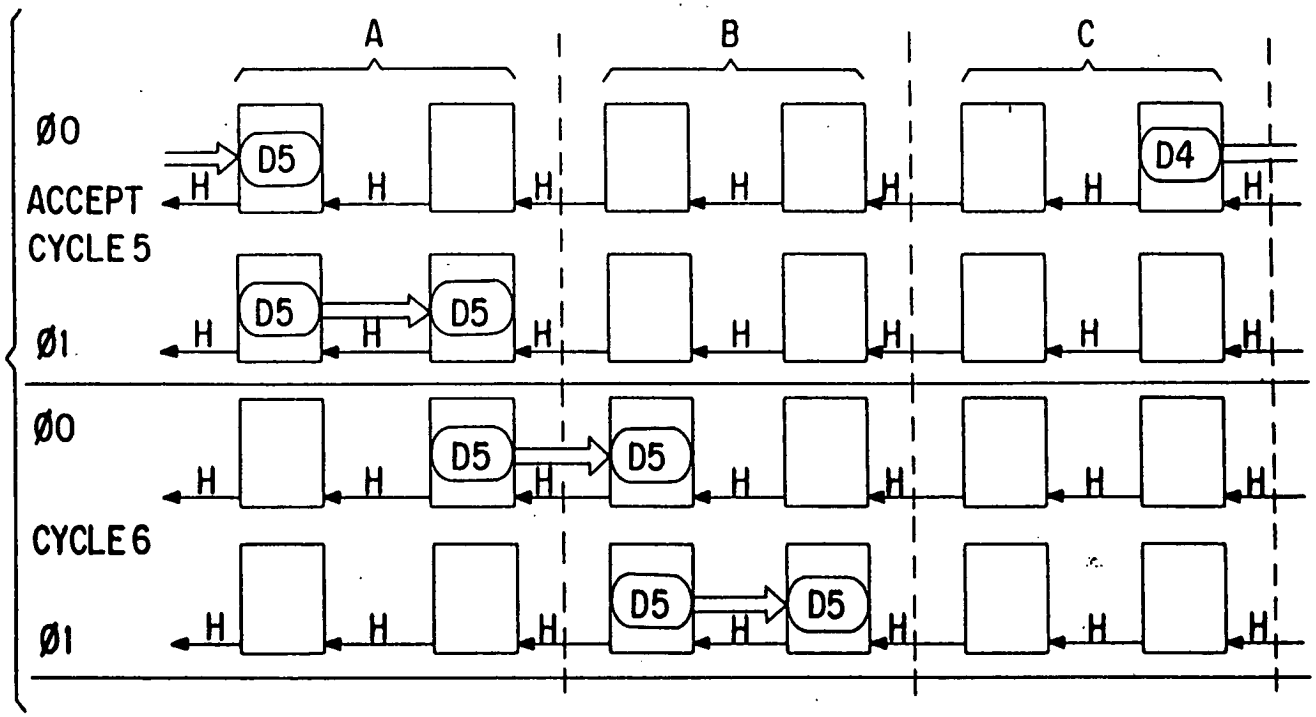


FIG. 3B-1

PRINT OF DRAWINGS
AS ORIGINALLY FILED

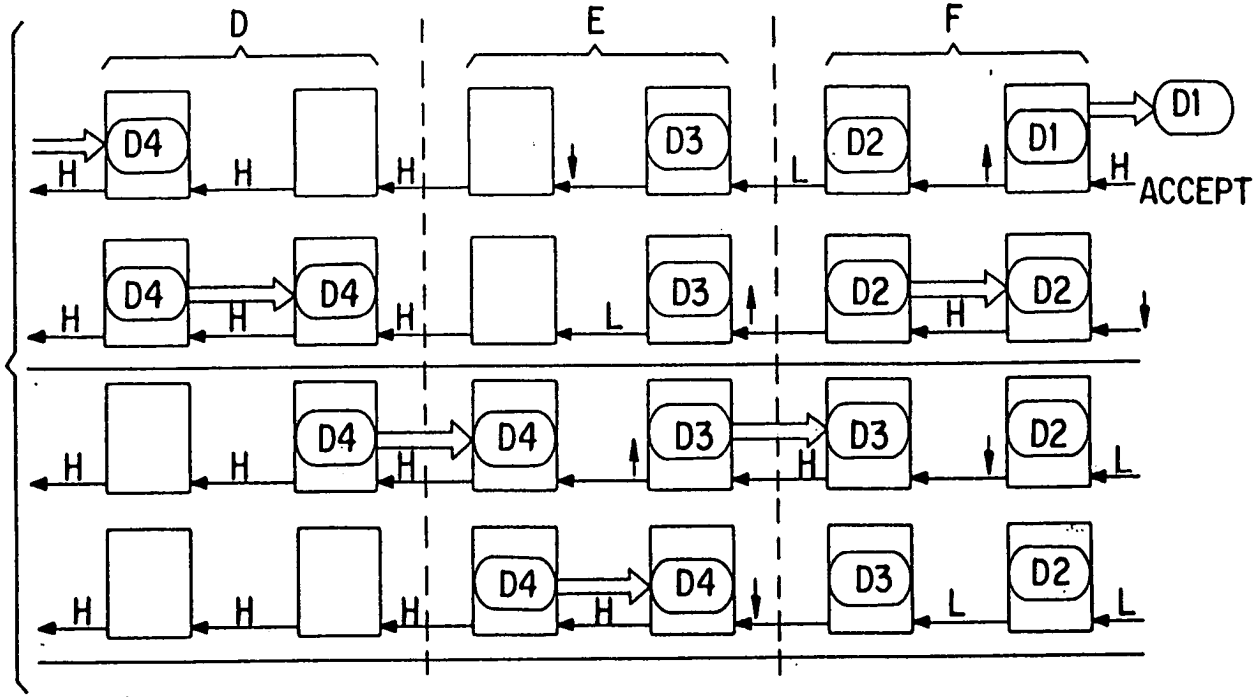


FIG. 3B-2

PRINT OF DRAWINGS
AS ORIGINALLY FILED

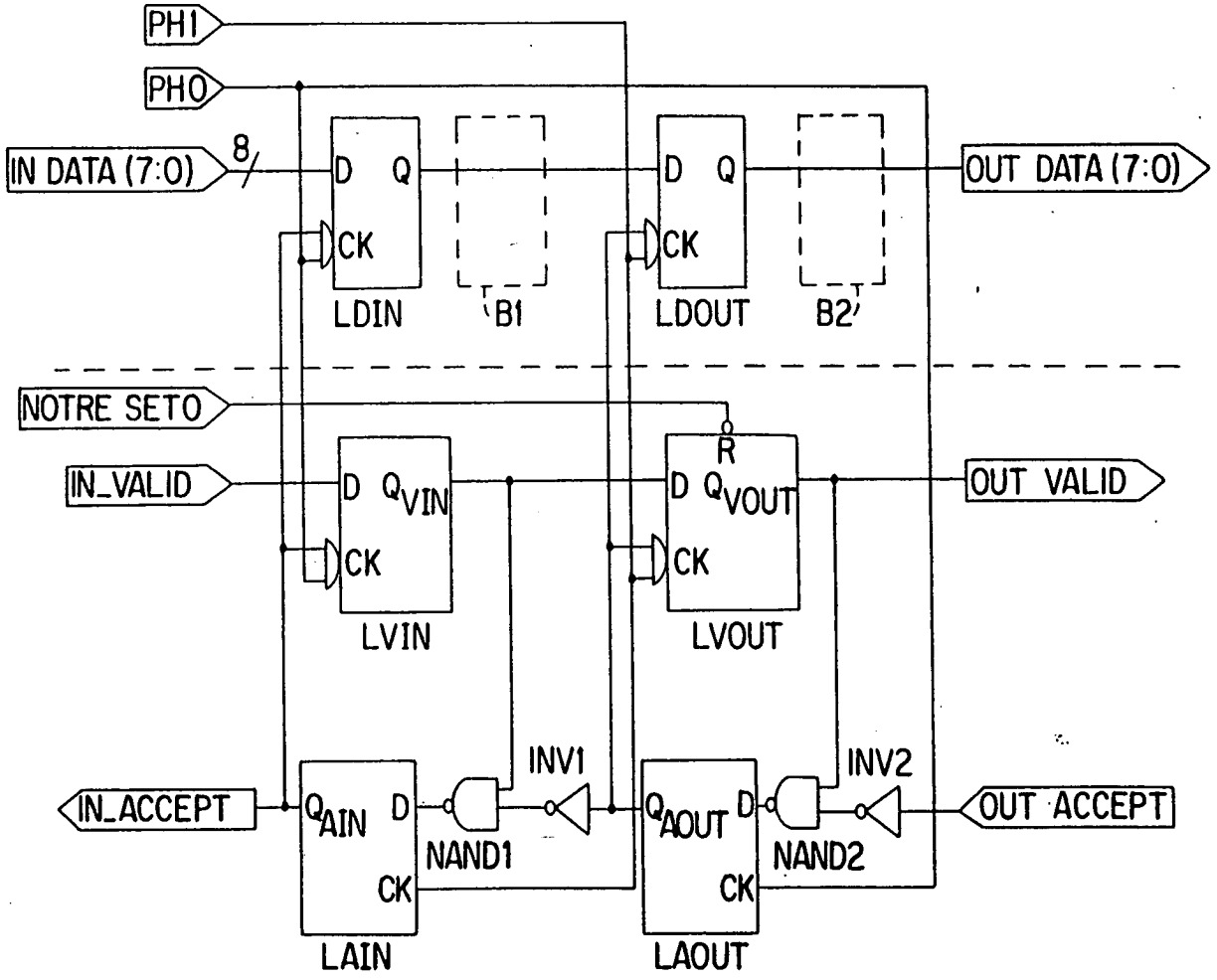


FIG.4

PRINT OF DRAWINGS
AS ORIGINALLY FILED

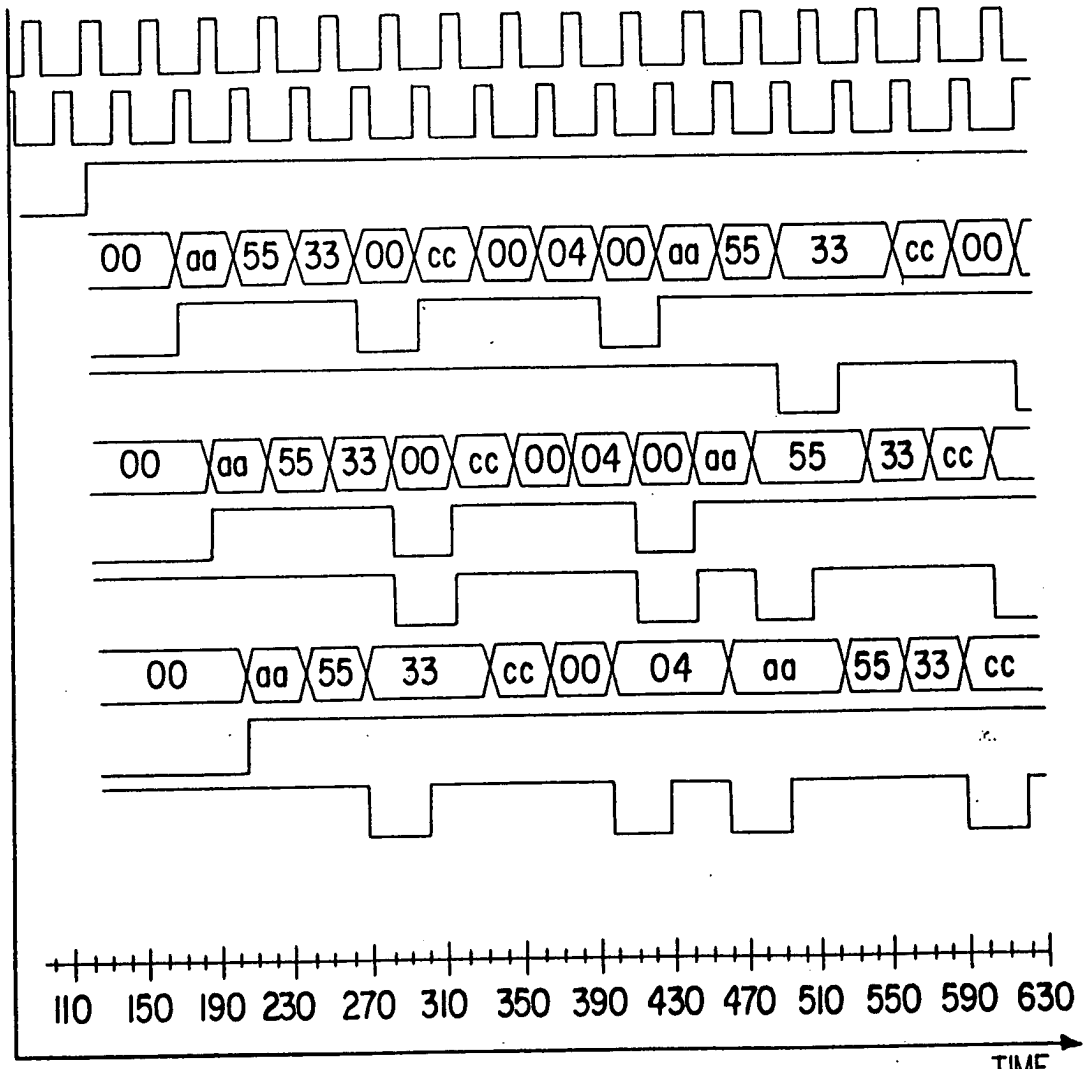


FIG. 5(A)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

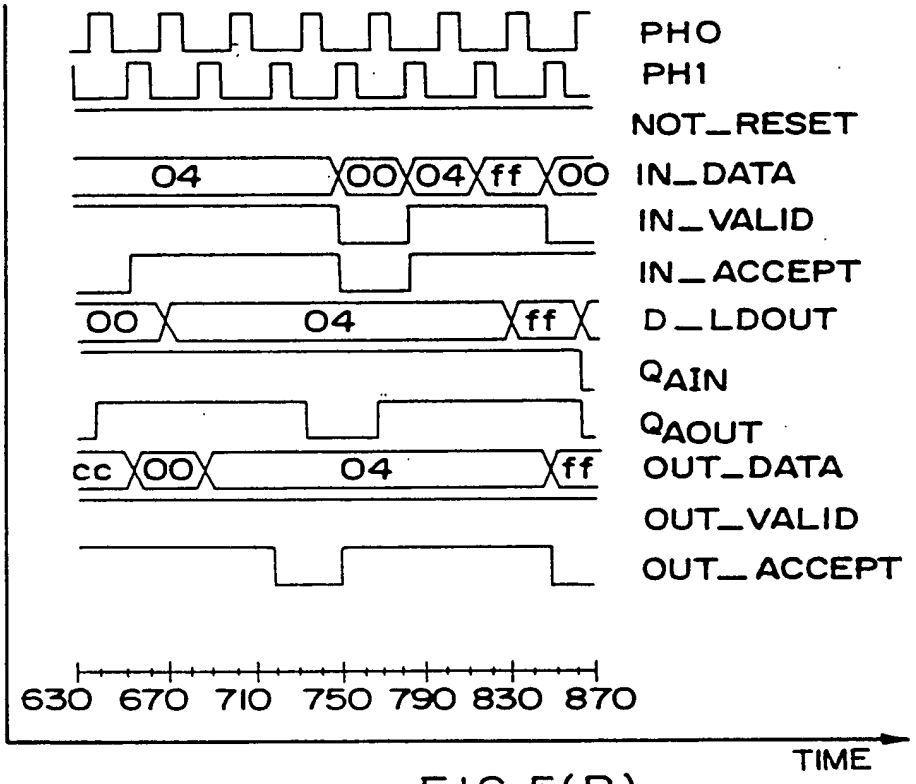


FIG. 5(B)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

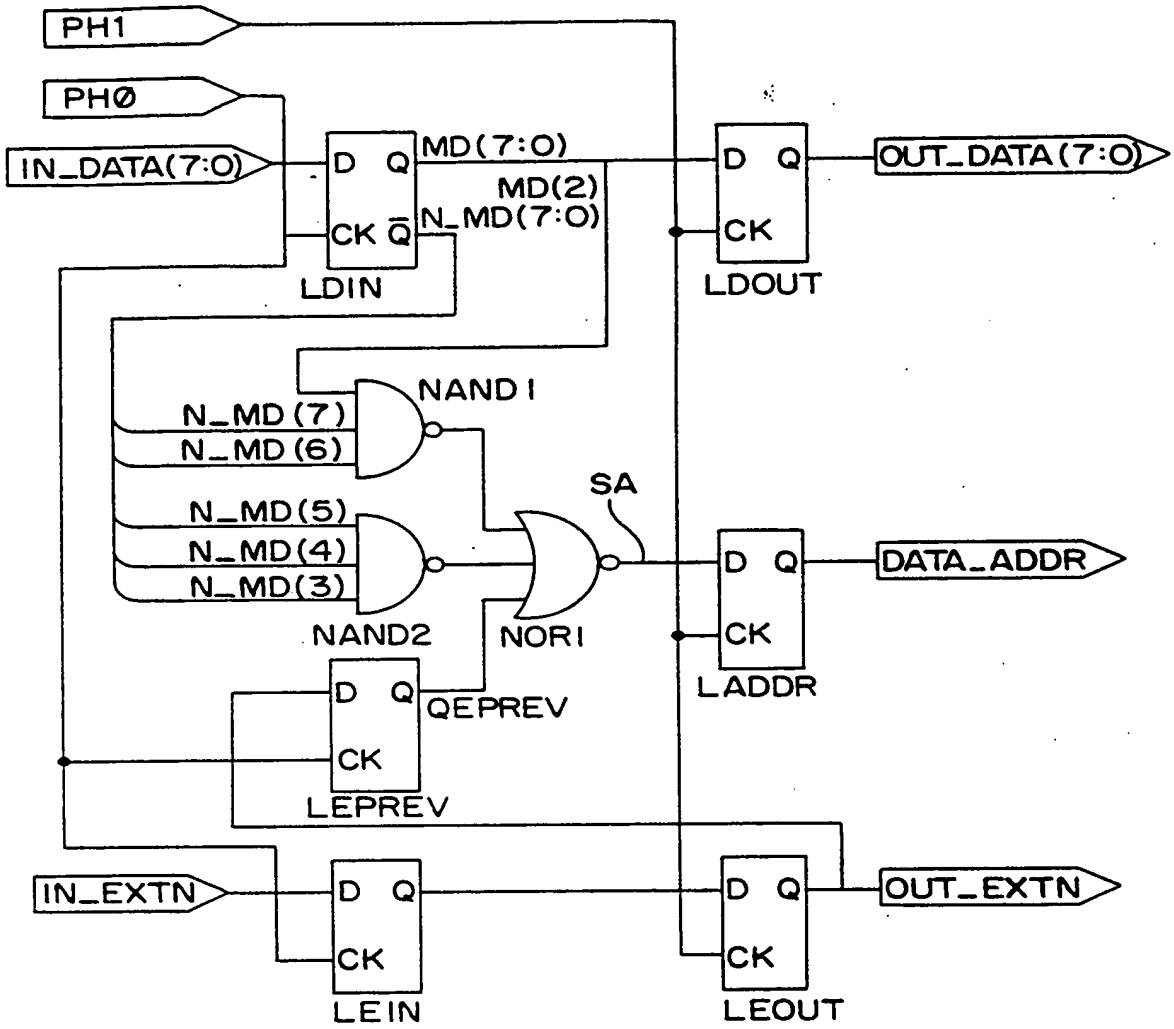


FIG. 6

PRINT OF DRAWINGS
AS ORIGINALLY FILED

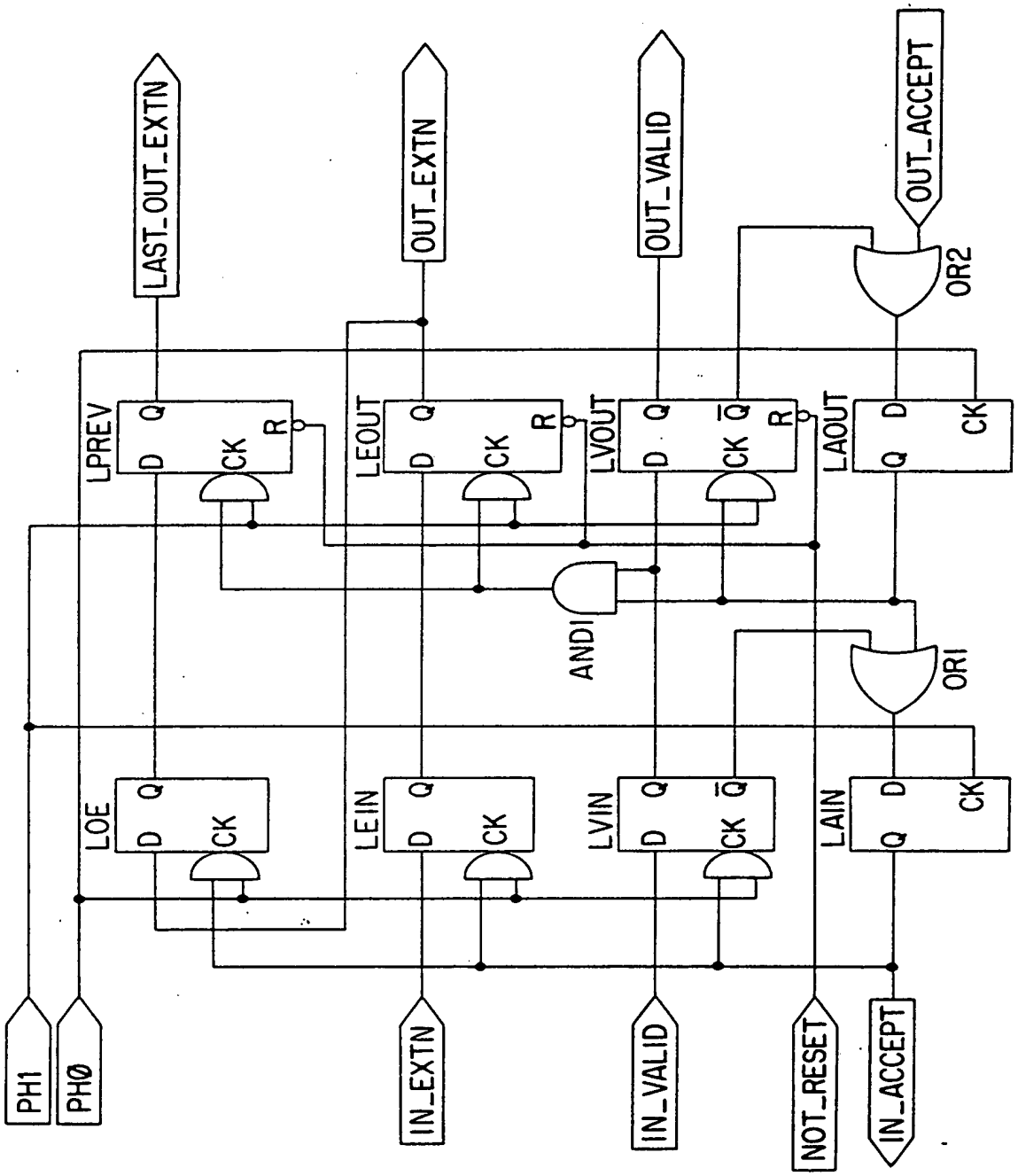


FIG. 7

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EP0267507A2

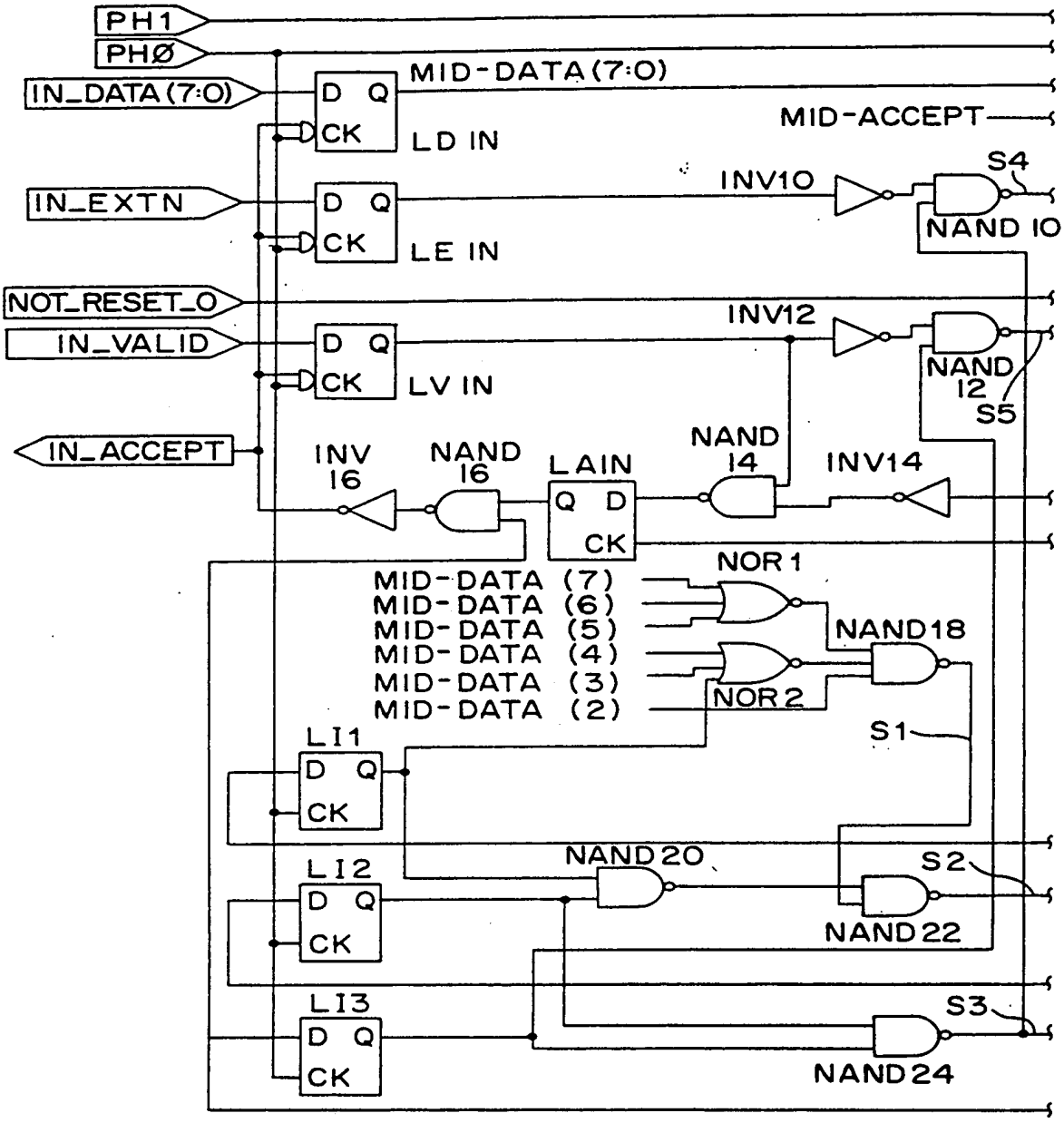


FIG. 8(A)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

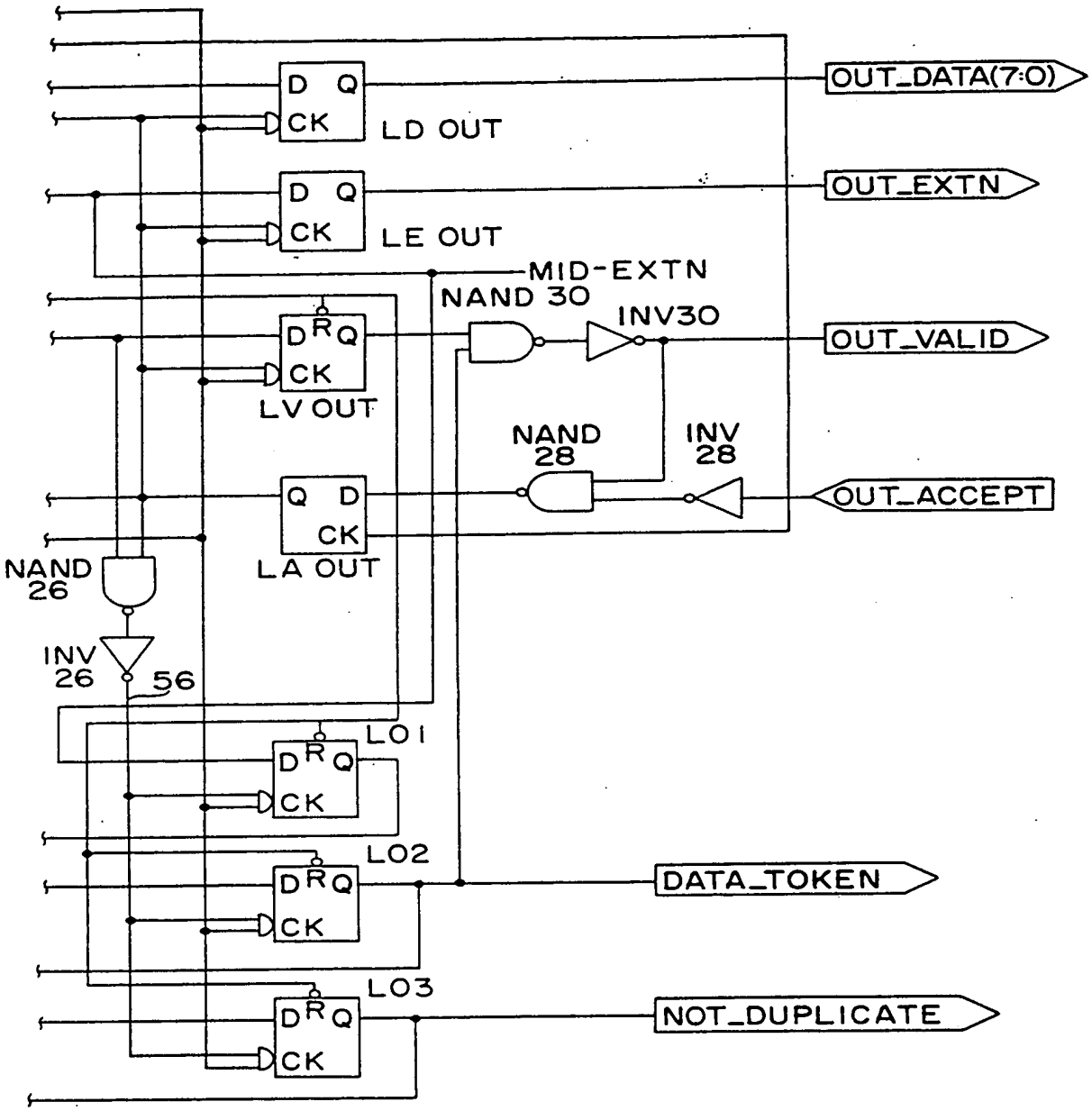


FIG. 8(B)

PRINT OF DRAWINGS AS ORIGINALLY FILED

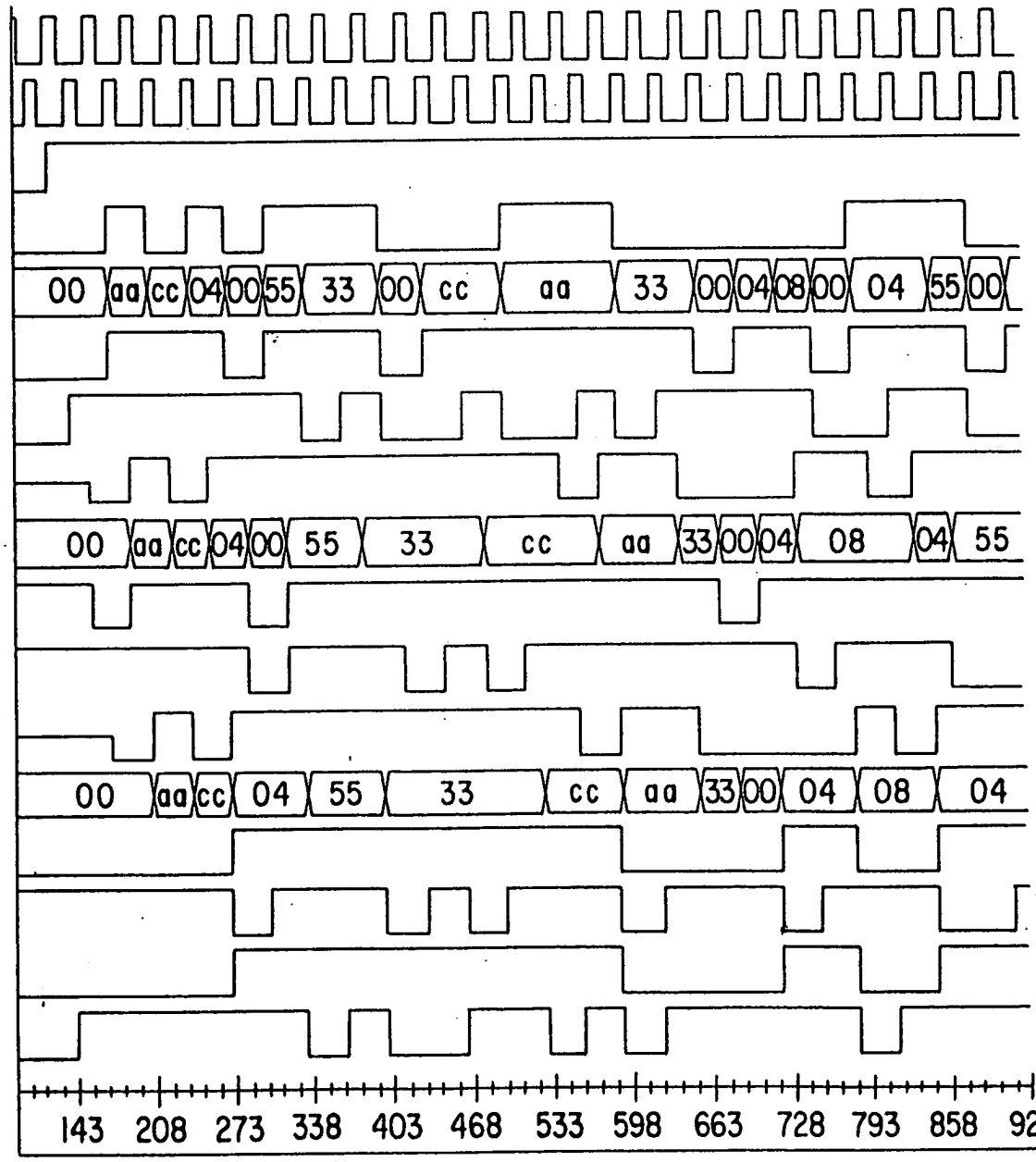


FIG. 9(A)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

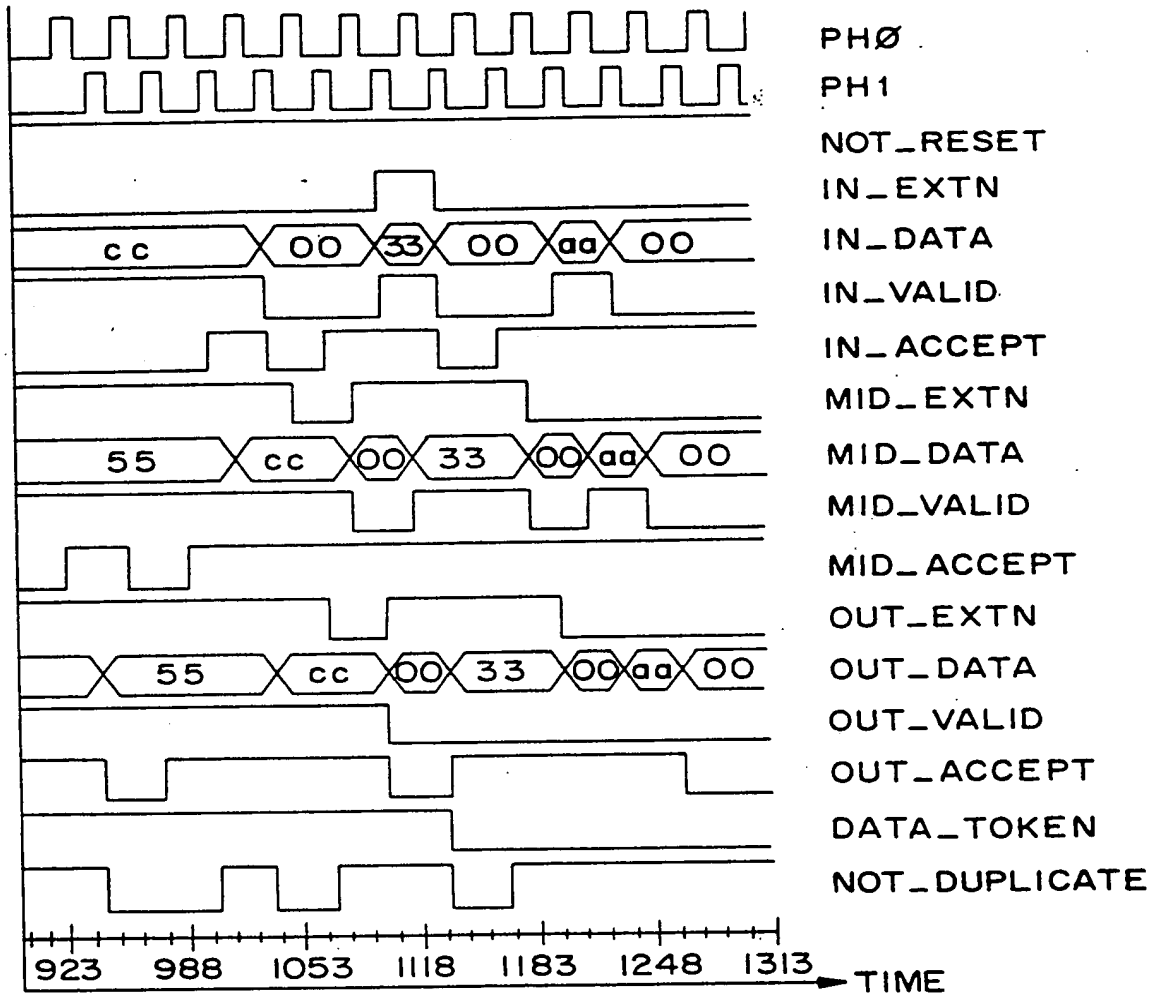


FIG. 9(B)

PRINT OF DRAWINGS
AS ORIGINALLY FILED

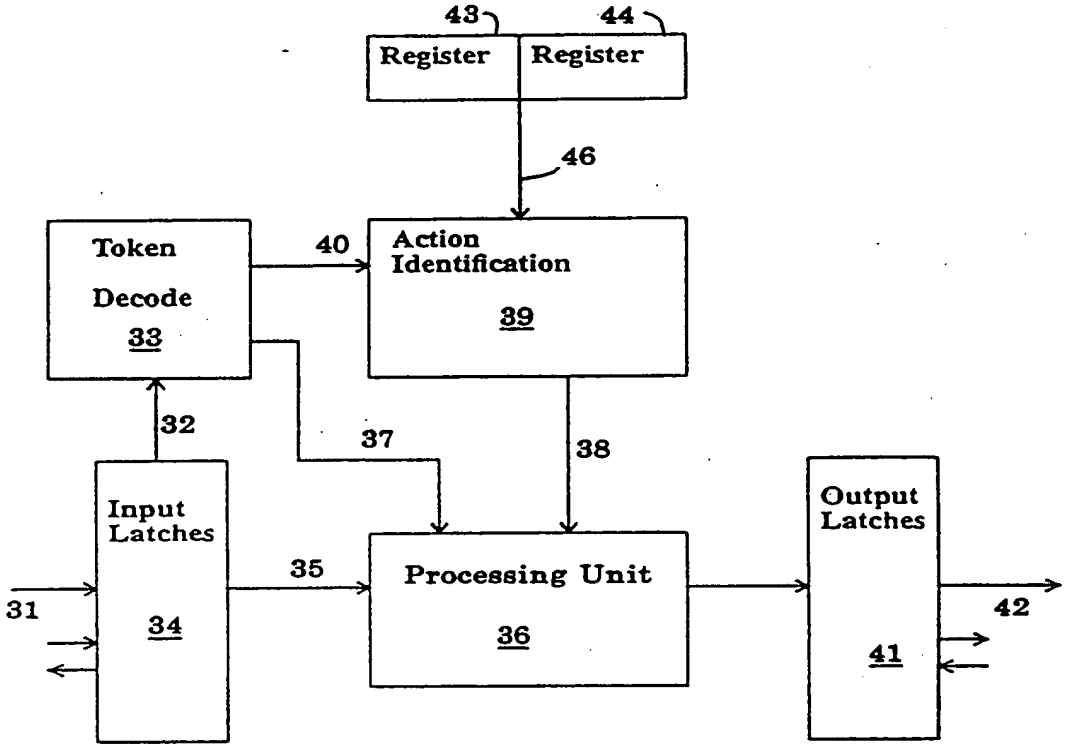


FIG. 10

PRINT OF DRAWINGS AS ORIGINALLY FILED

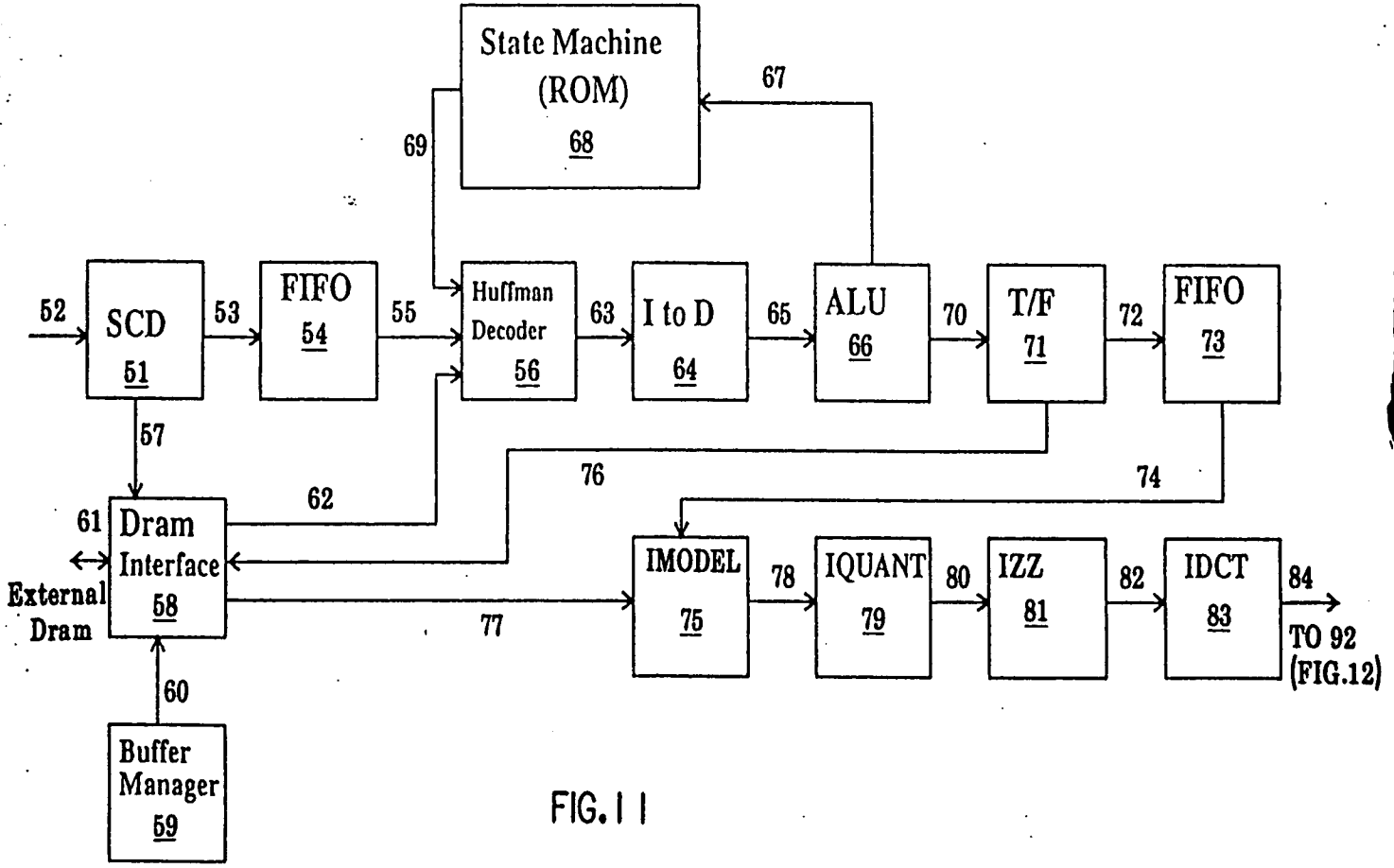


FIG. 11

PRINT OF DRAWINGS AS ORIGINALLY FILED

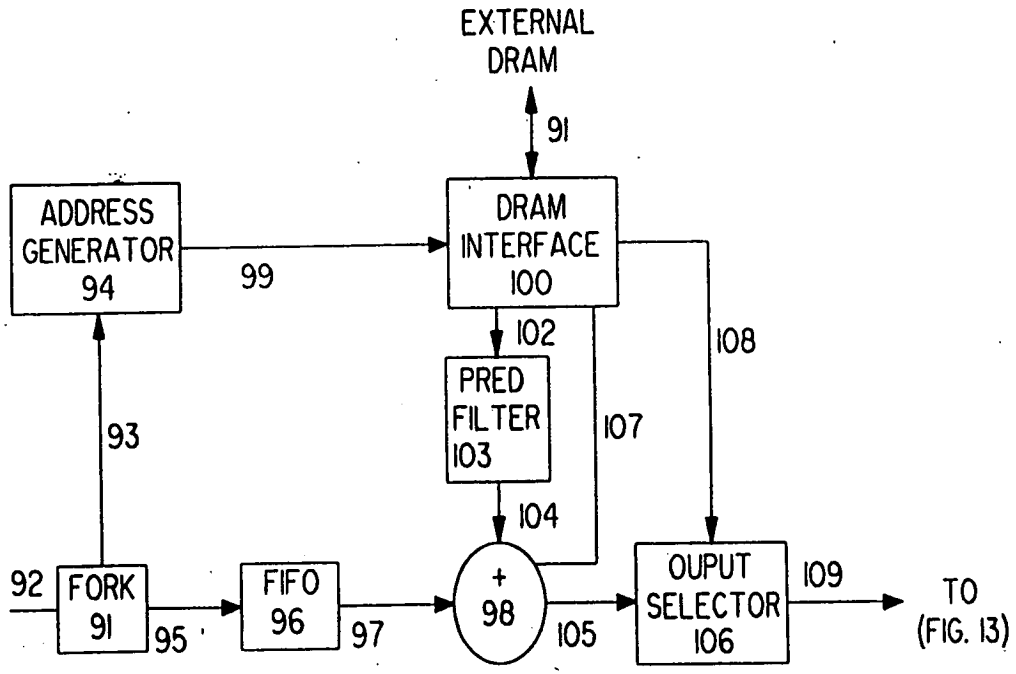


FIG. 12

PRINT OF DRAWINGS AS ORIGINALLY FILED

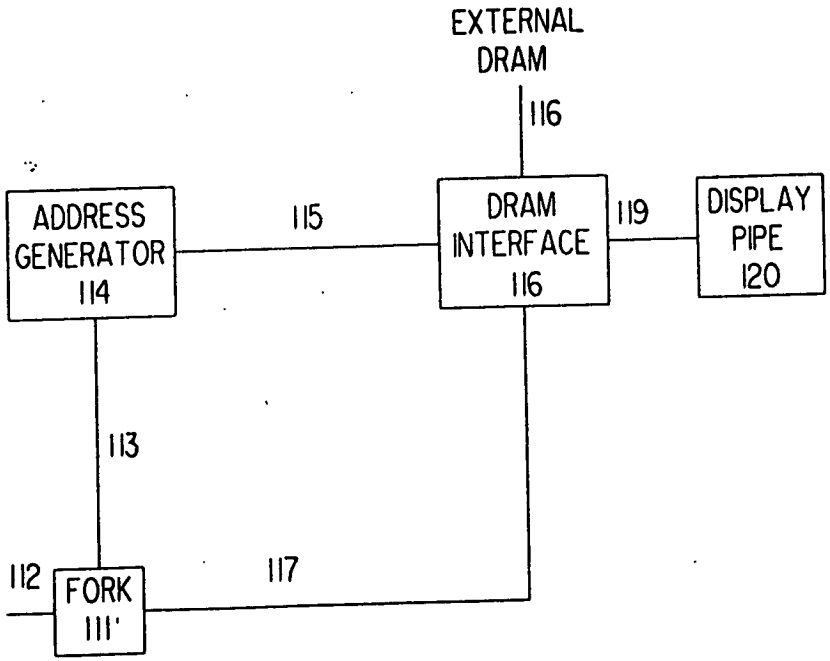


FIG. 13

PRINT OF DRAWINGS
AS ORIGINALLY FILED

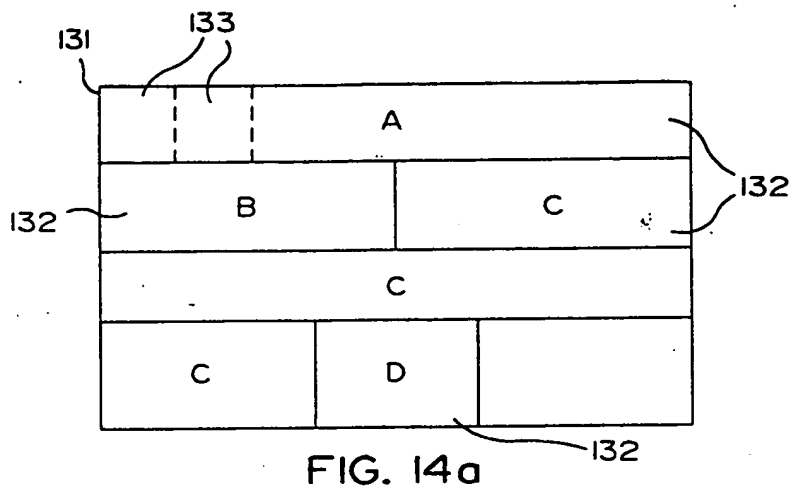


FIG. 14a

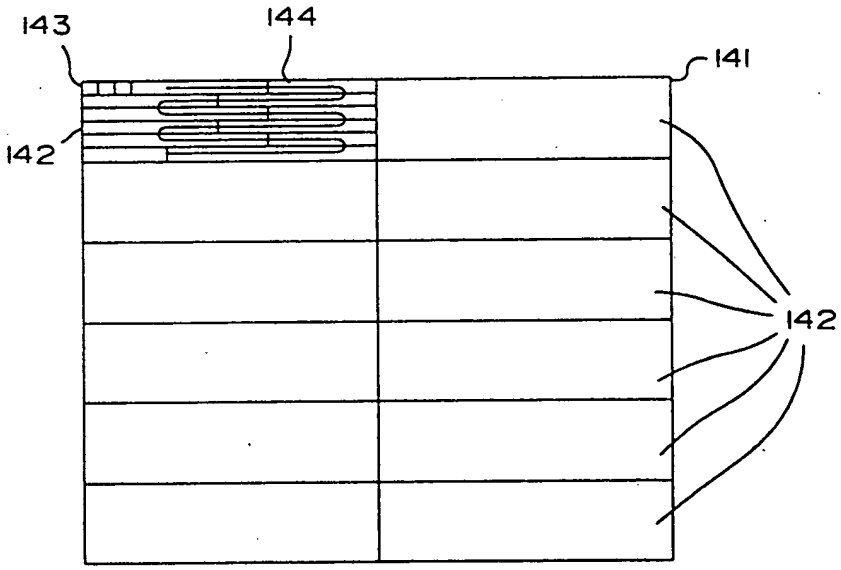


FIG. 14b

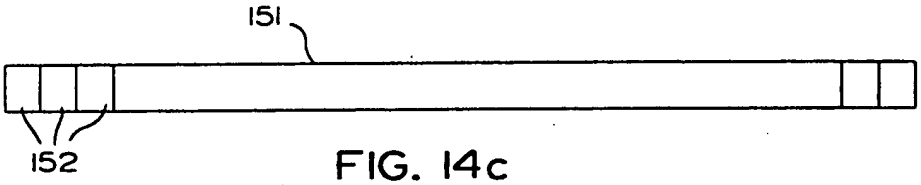


FIG. 14c

PRINT OF DRAWINGS
AS ORIGINALLY FILED

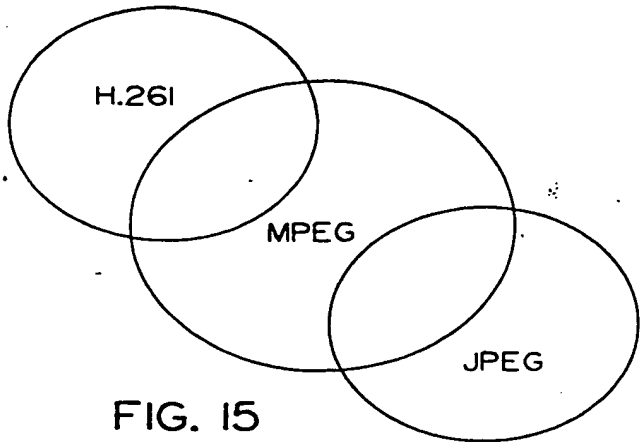


FIG. 15

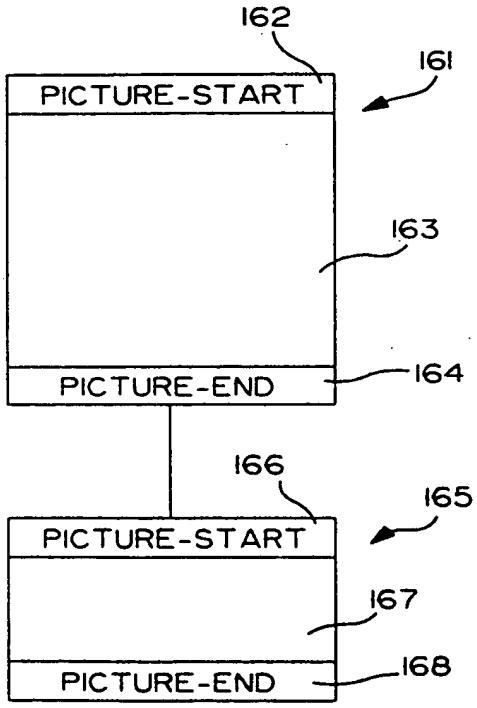


FIG. 16

PUBLISHED 2907Z260

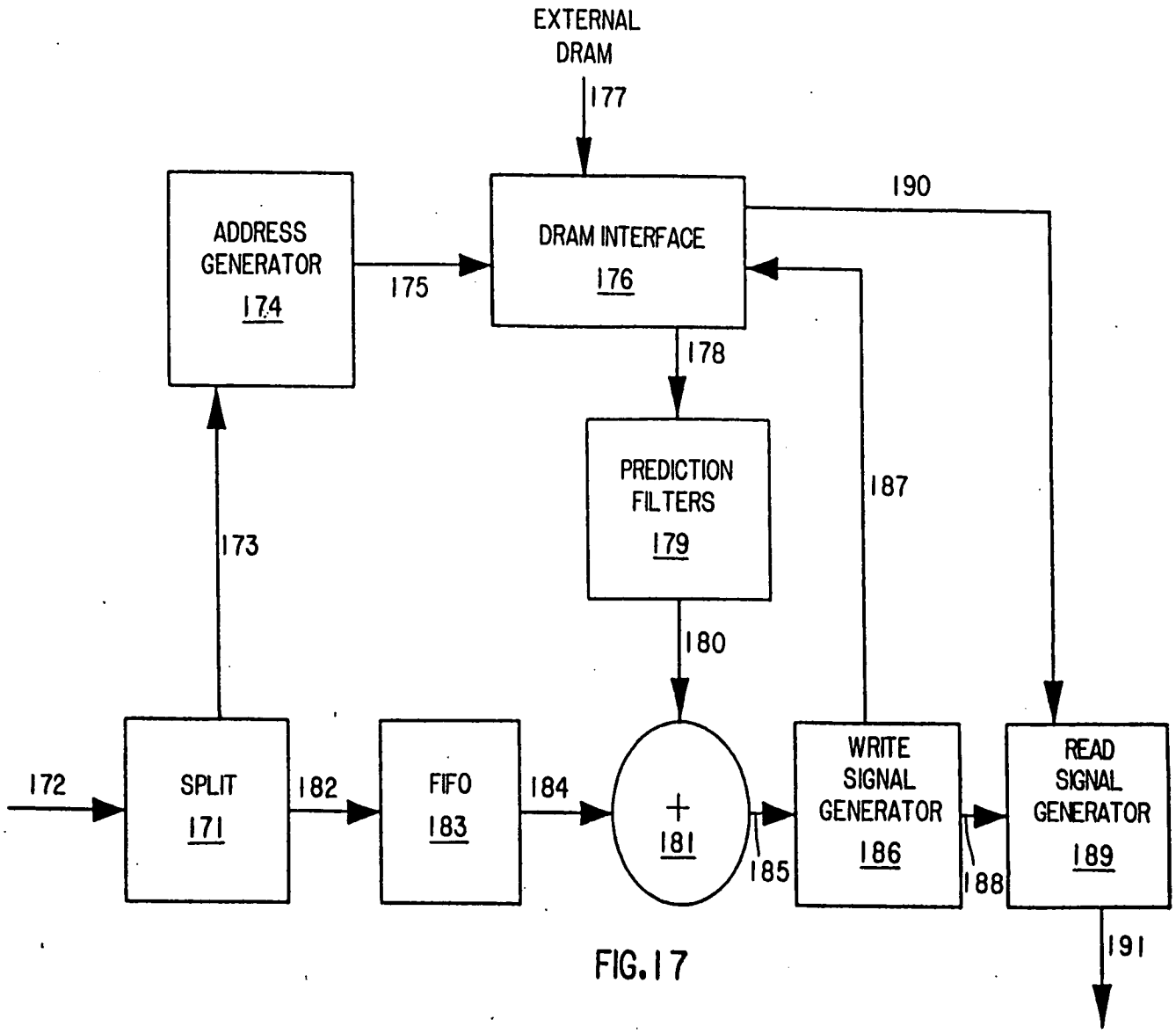


FIG.17

PRINT OF DRAWINGS
AS ORIGINALLY FILED

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EUROPEAN PATENT APPLICATION

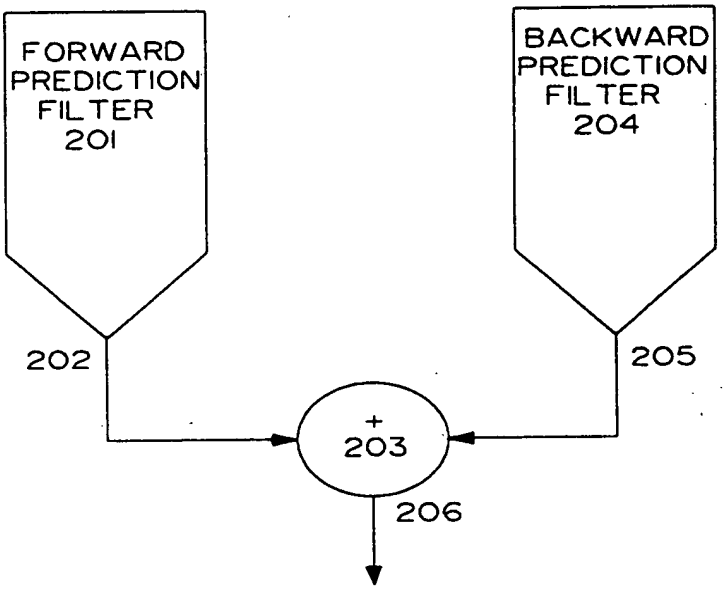


FIG. 18

PRINT OF DRAWINGS
AS ORIGINALLY FILED

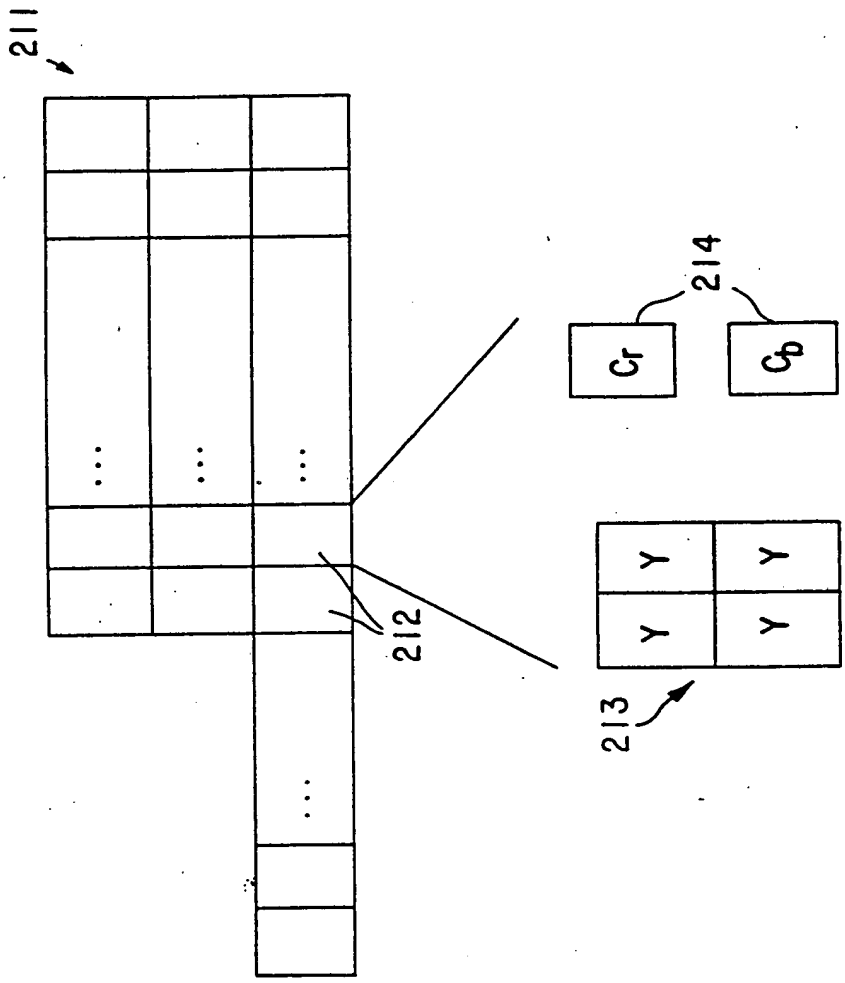


FIG. 19

PRINT OF DRAWINGS AS ORIGINALLY FILED

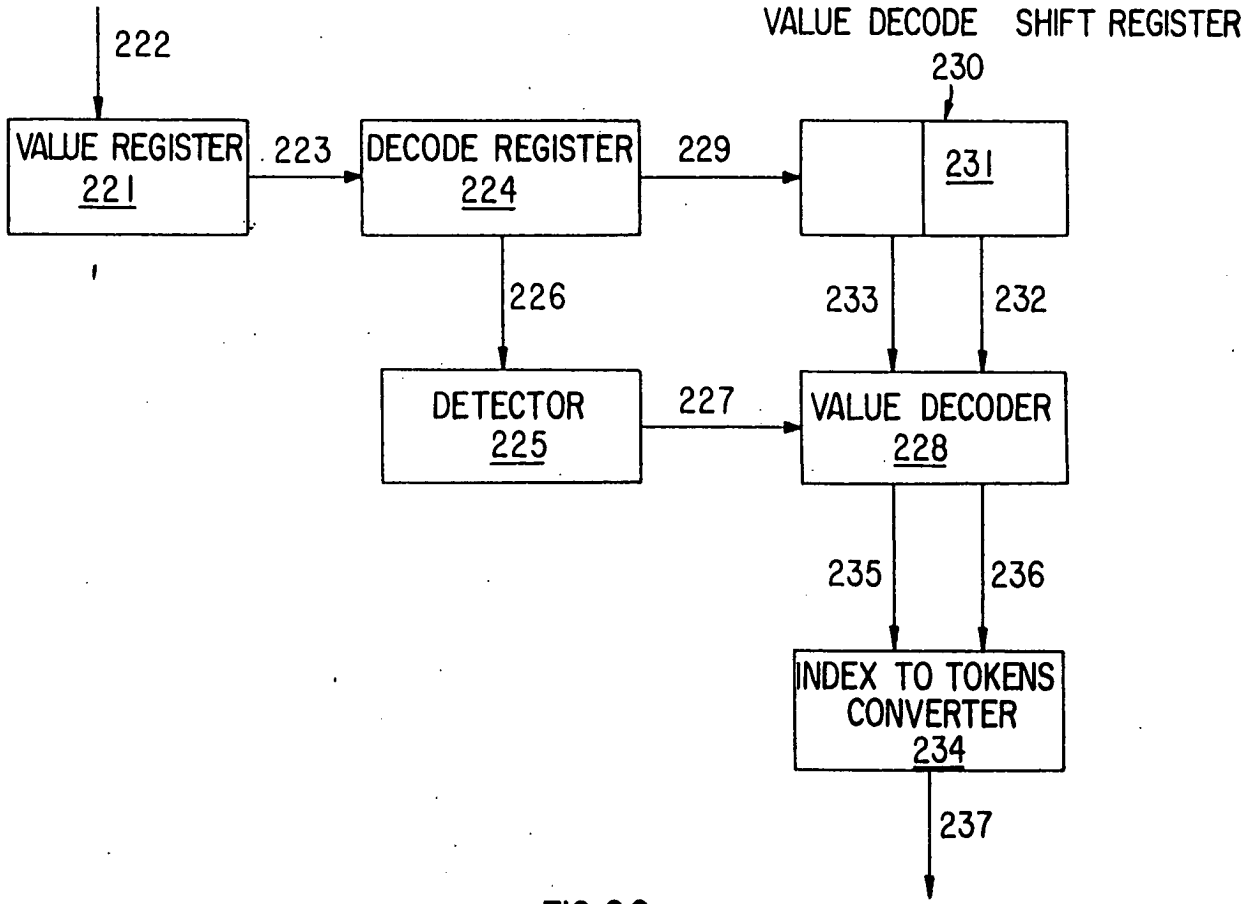


FIG.20

PRINT OF DRAWINGS AS ORIGINALLY FILED

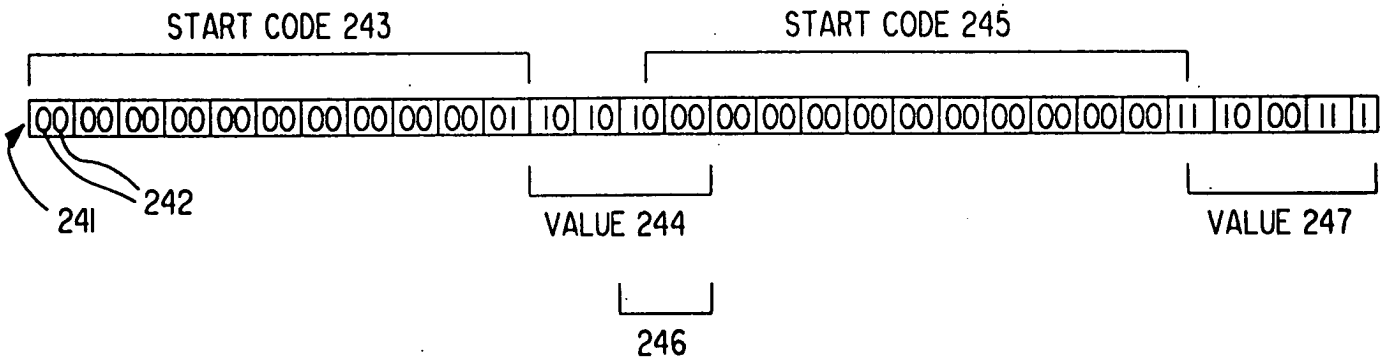


FIG. 21

PRINT OF DRAWINGS AS ORIGINALLY FILED

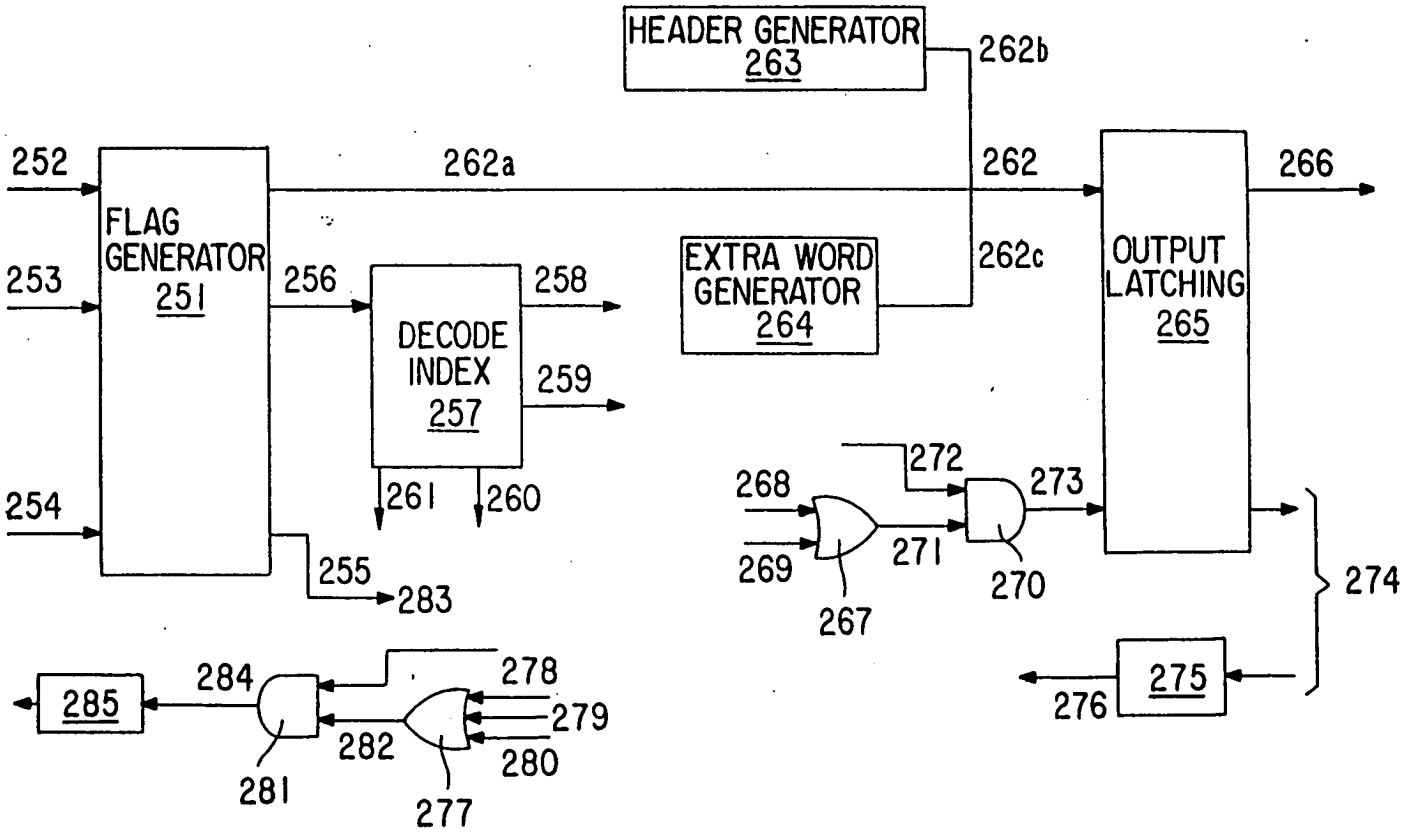


FIG.22

PRINT OF DRAWINGS
AS ORIGINALLY FILED

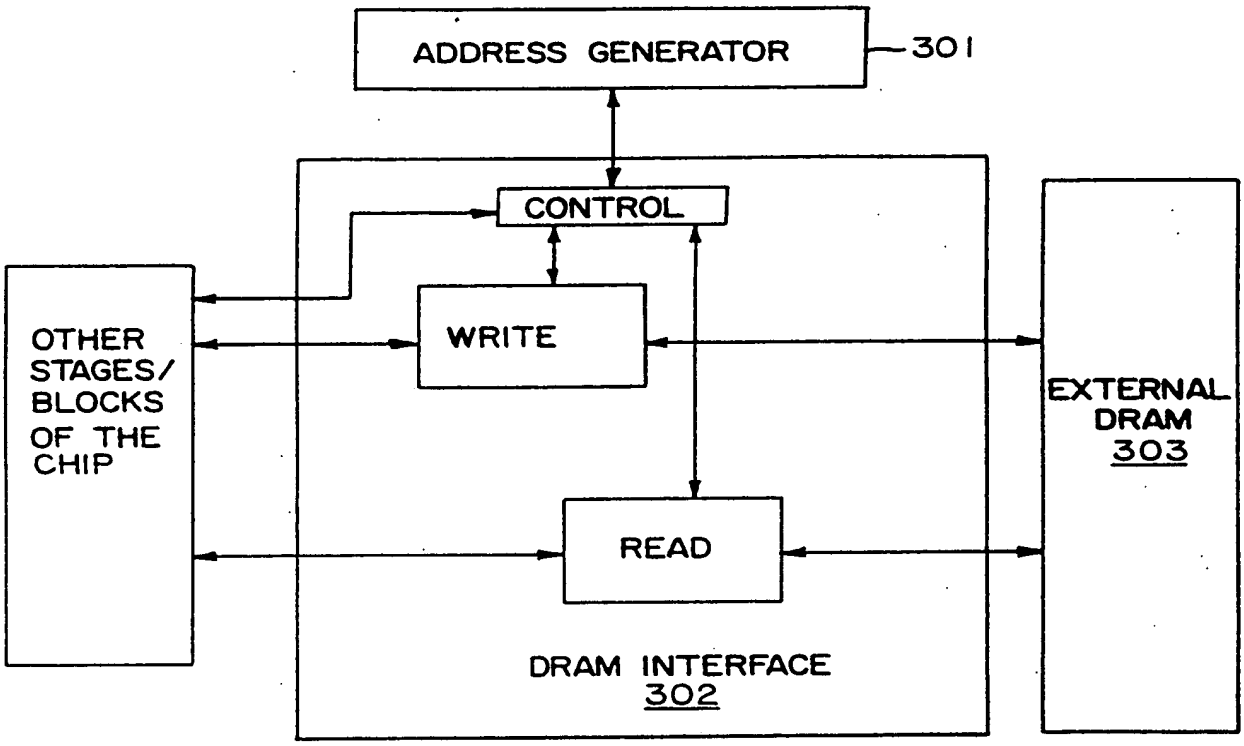


FIG.23

PRINT OF DRAWINGS AS ORIGINALLY FILED

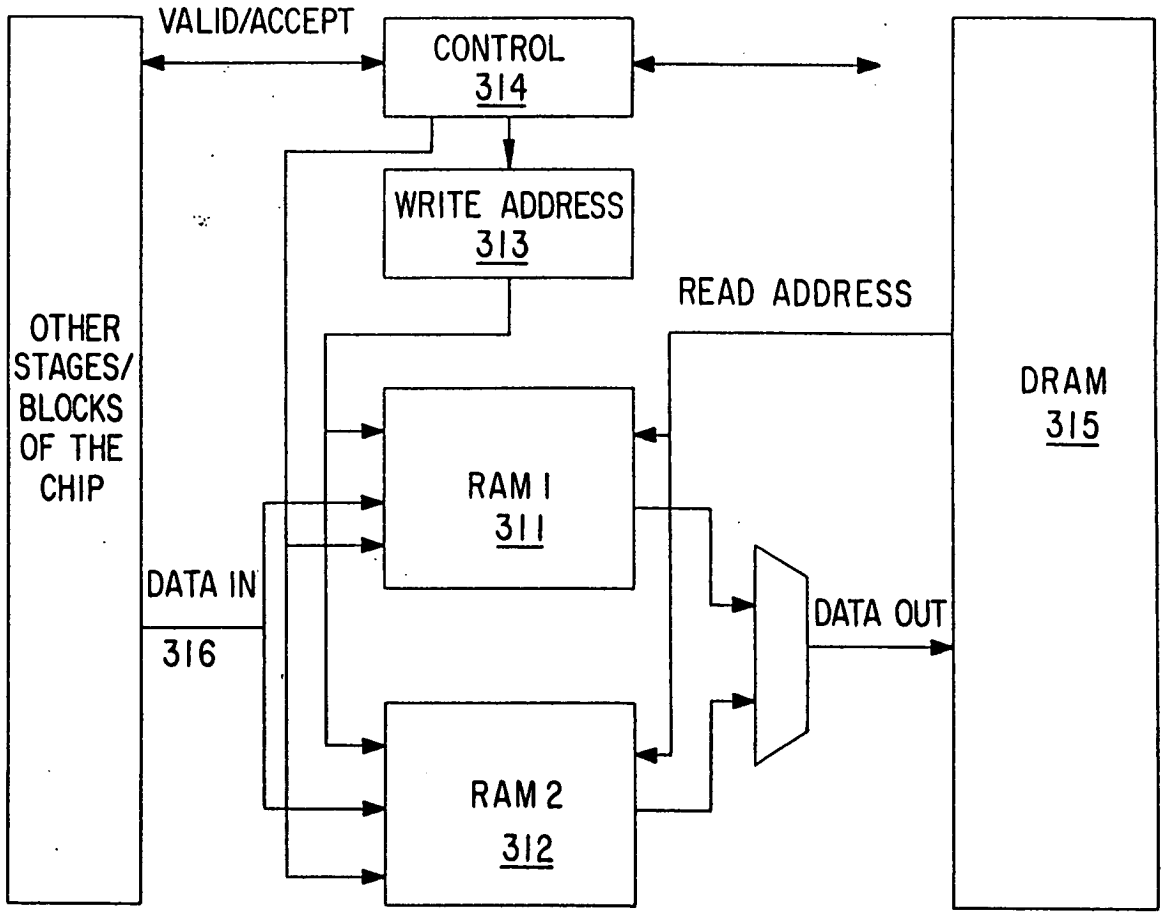


FIG.24

PRINT OF DRAWINGS
AS ORIGINALLY FILED

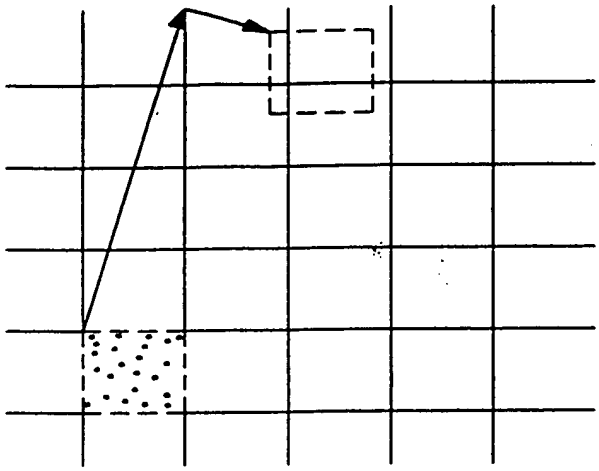


FIG. 25

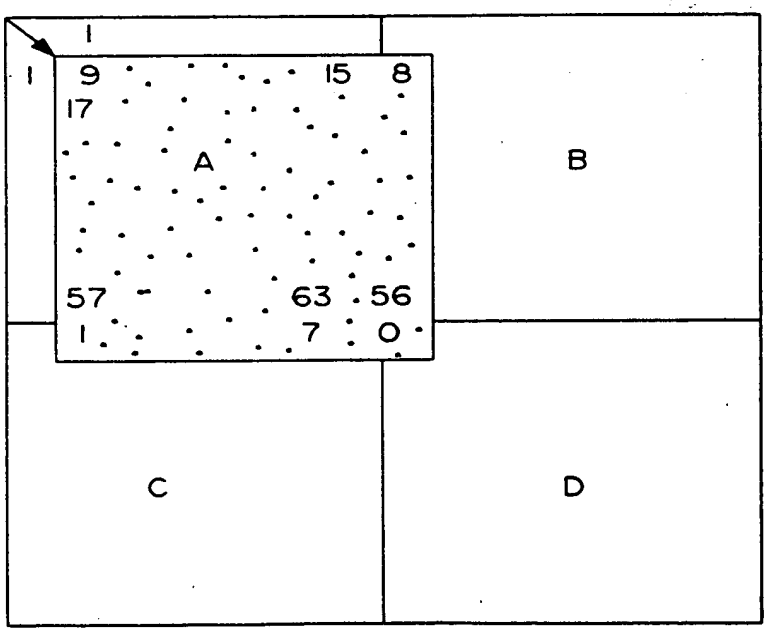


FIG. 26

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EP 0 621 730 A2

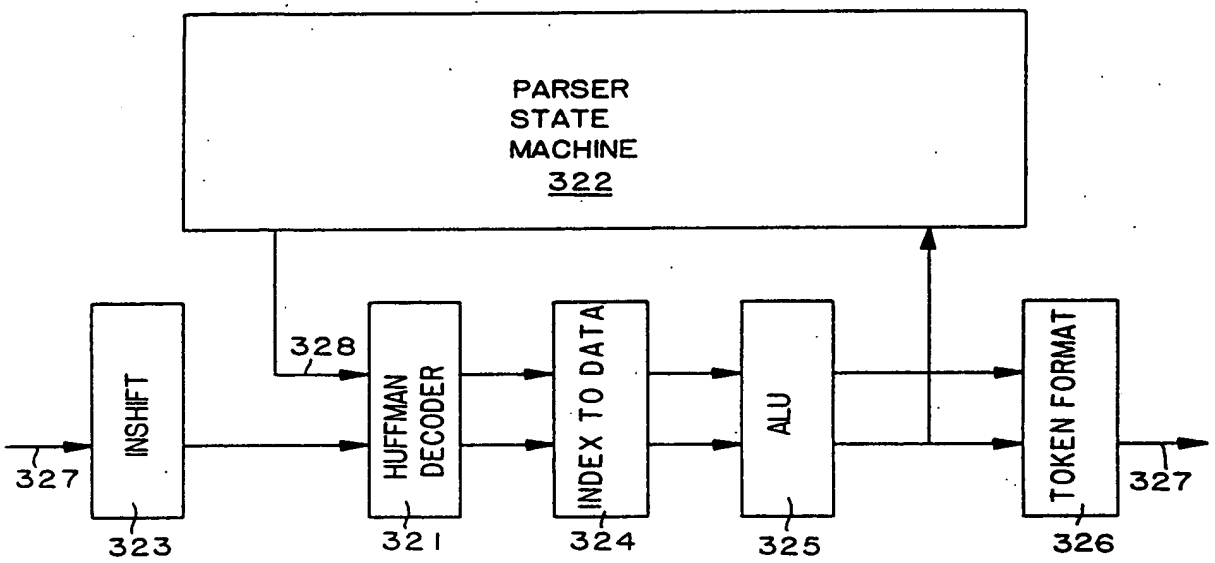


FIG.27

PRINT OF DRAWINGS
AS ORIGINALLY FILED

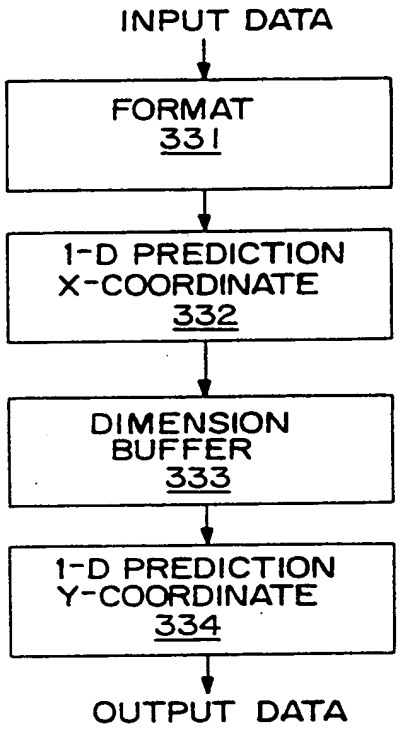


FIG.28

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EP 0 507 420 A2

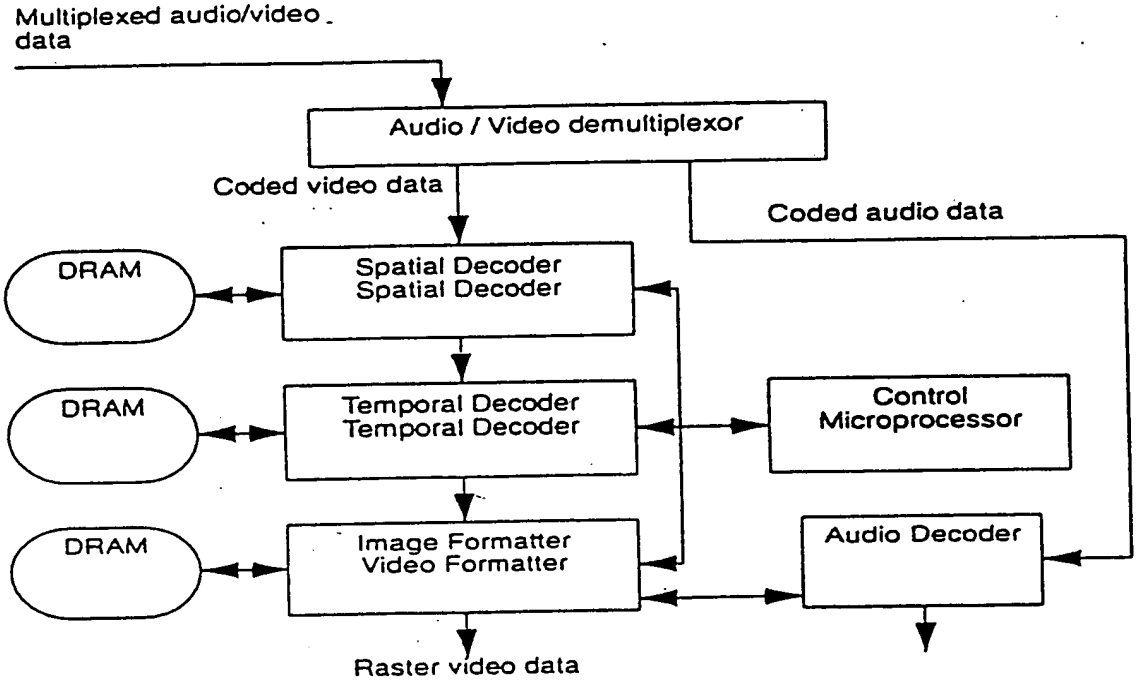


FIG.29

PRINT OF DRAWINGS
AS ORIGINALLY FILED

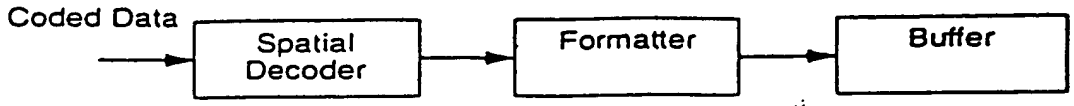


FIG.30

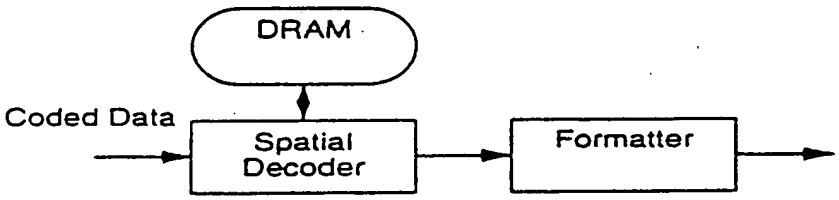


FIG.31

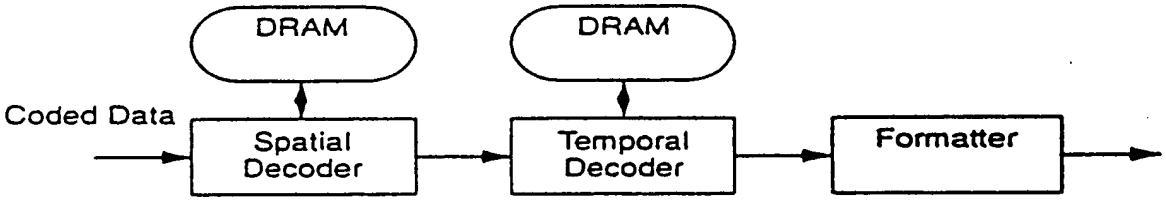


FIG.32

PRINT OF DRAWINGS
AS ORIGINALLY FILED

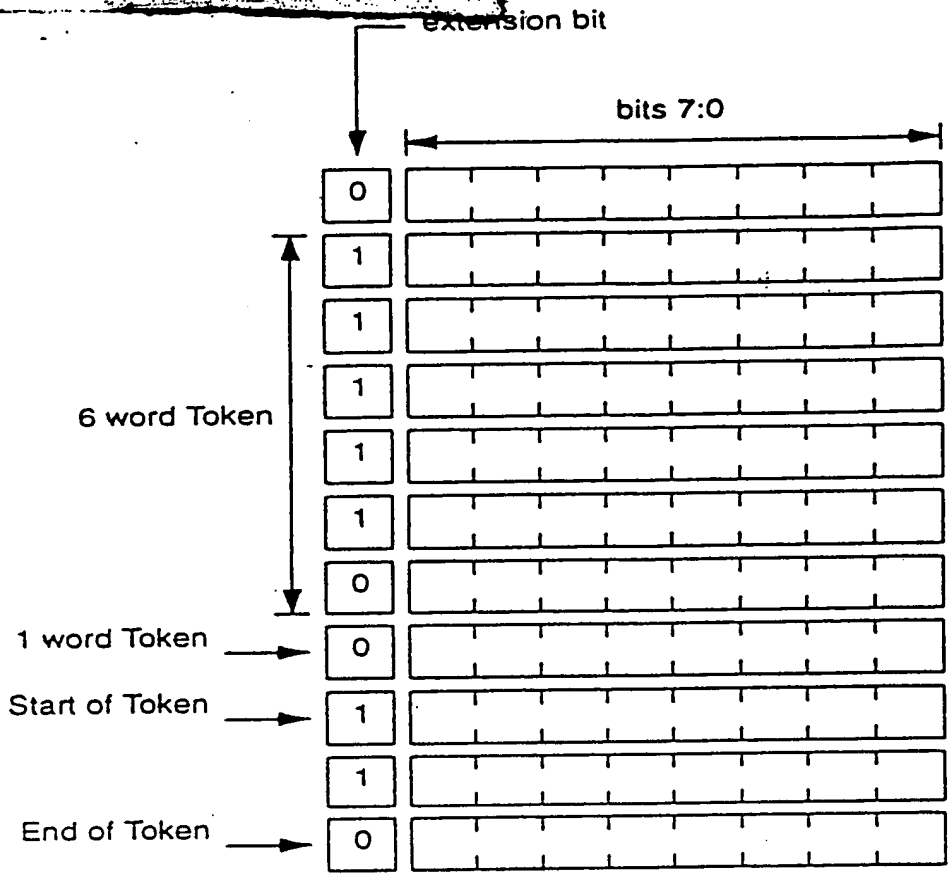


FIG.33

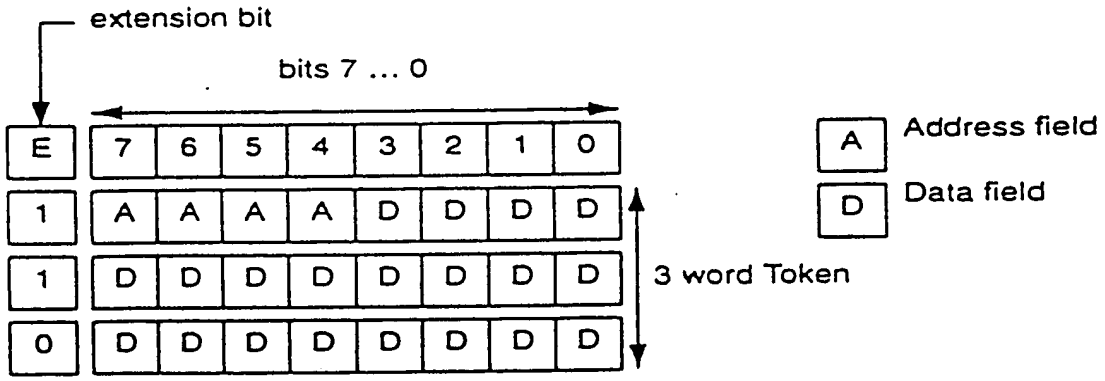


FIG.34

PRINT OF DRAWINGS
AS ORIGINALLY FILED

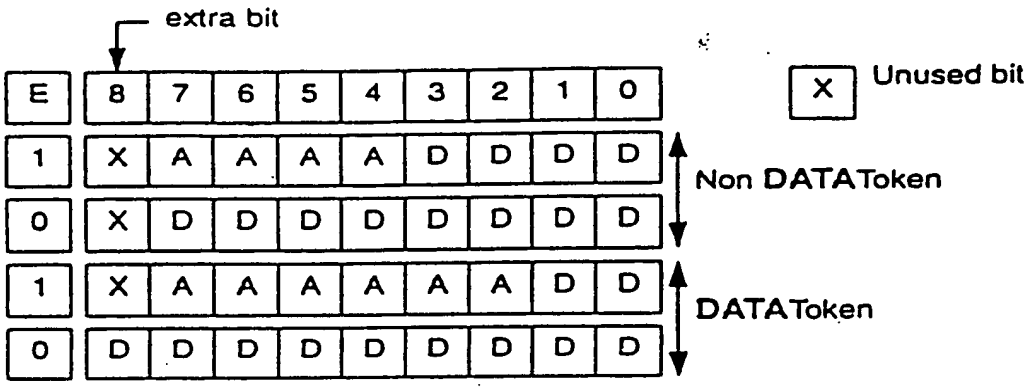
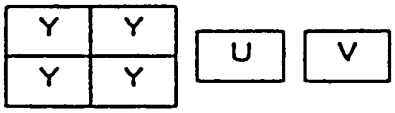


FIG.35



MPEG 4:2:0
macroblock

FIG.36A

JPEG 2:1:1
macroblock

FIG.36B

09/710,250 - 11/04/00

PRINT OF DRAWINGS
AS ORIGINALLY FILED

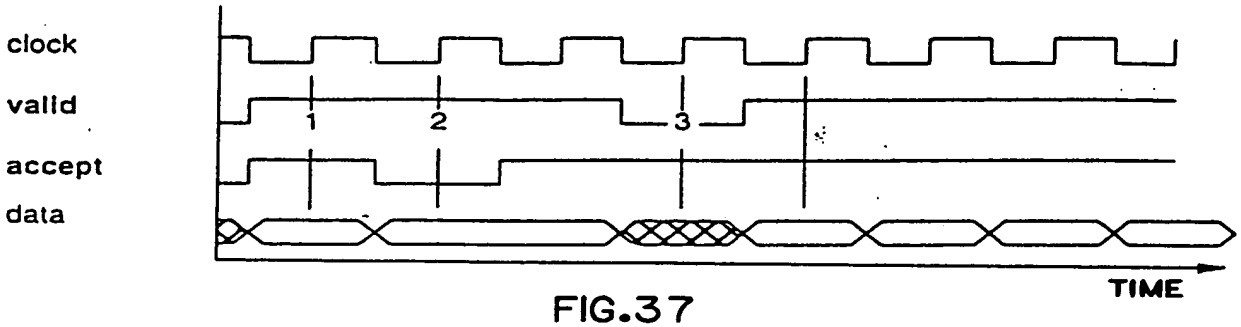


FIG.37

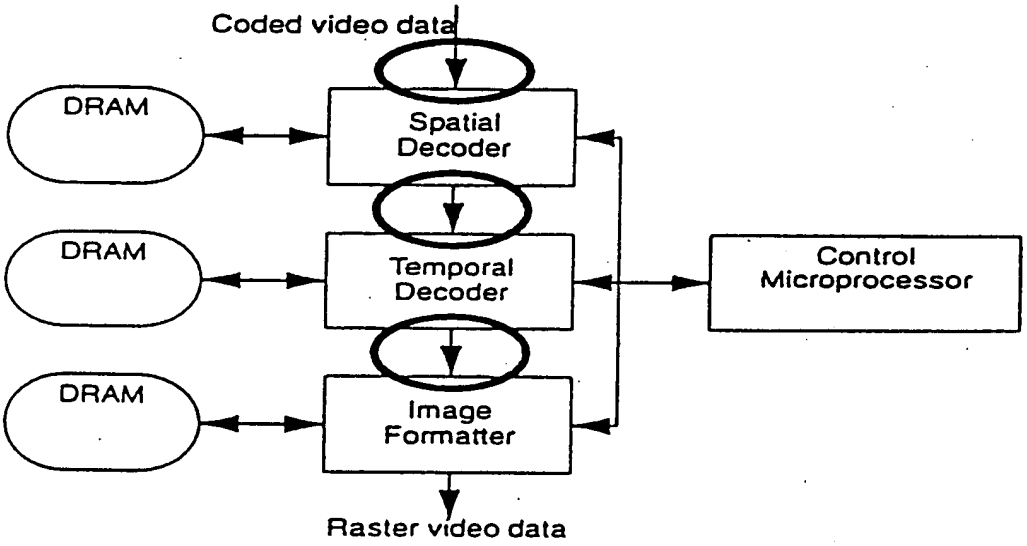


FIG.38

PRINT OF DRAWINGS
AS ORIGINALLY FILED

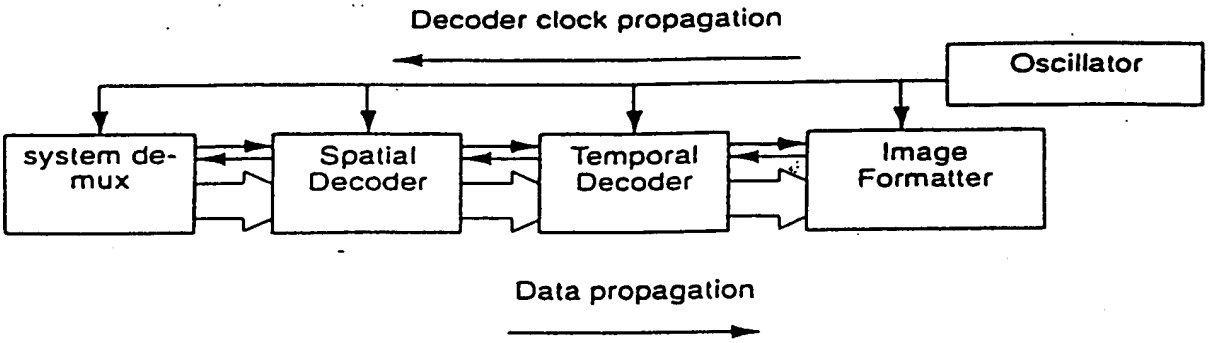


FIG.39

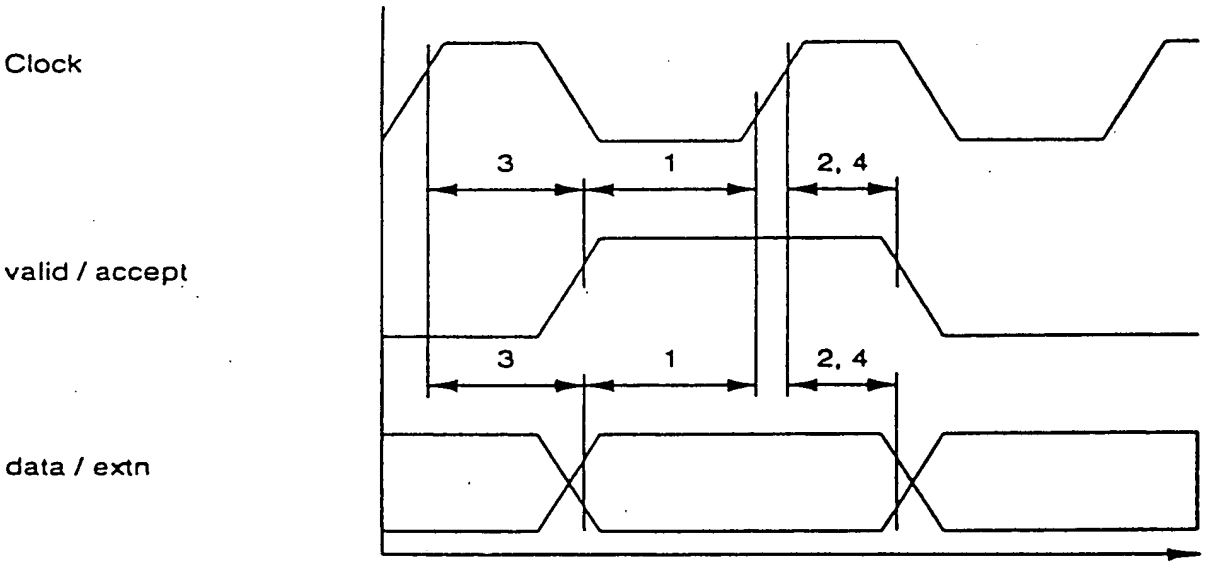


FIG.40

PRINT OF DRAWINGS
AS ORIGINALLY FILED

FIG.41

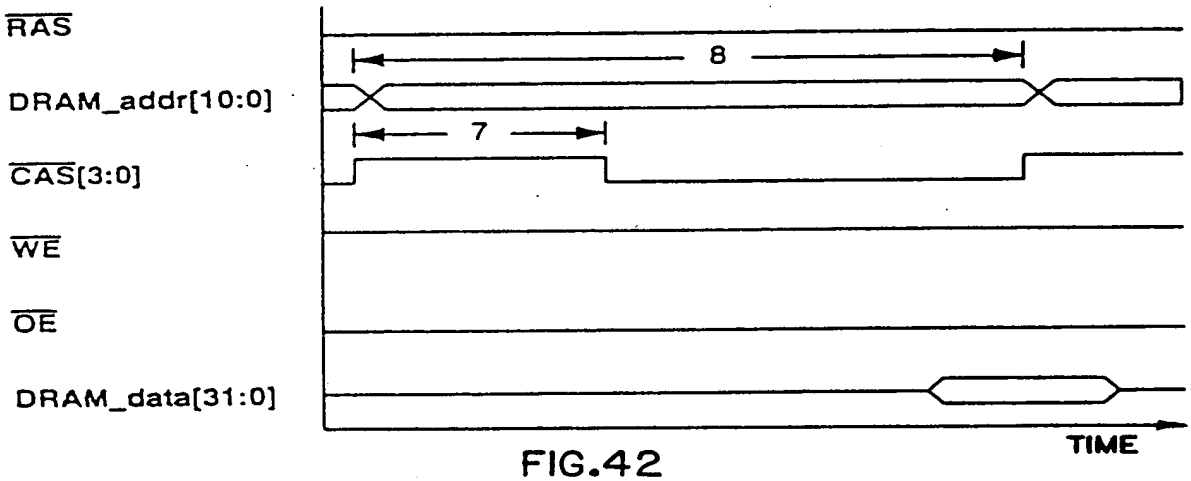


FIG.42

PRINT OF DRAWINGS
AS ORIGINALLY FILED

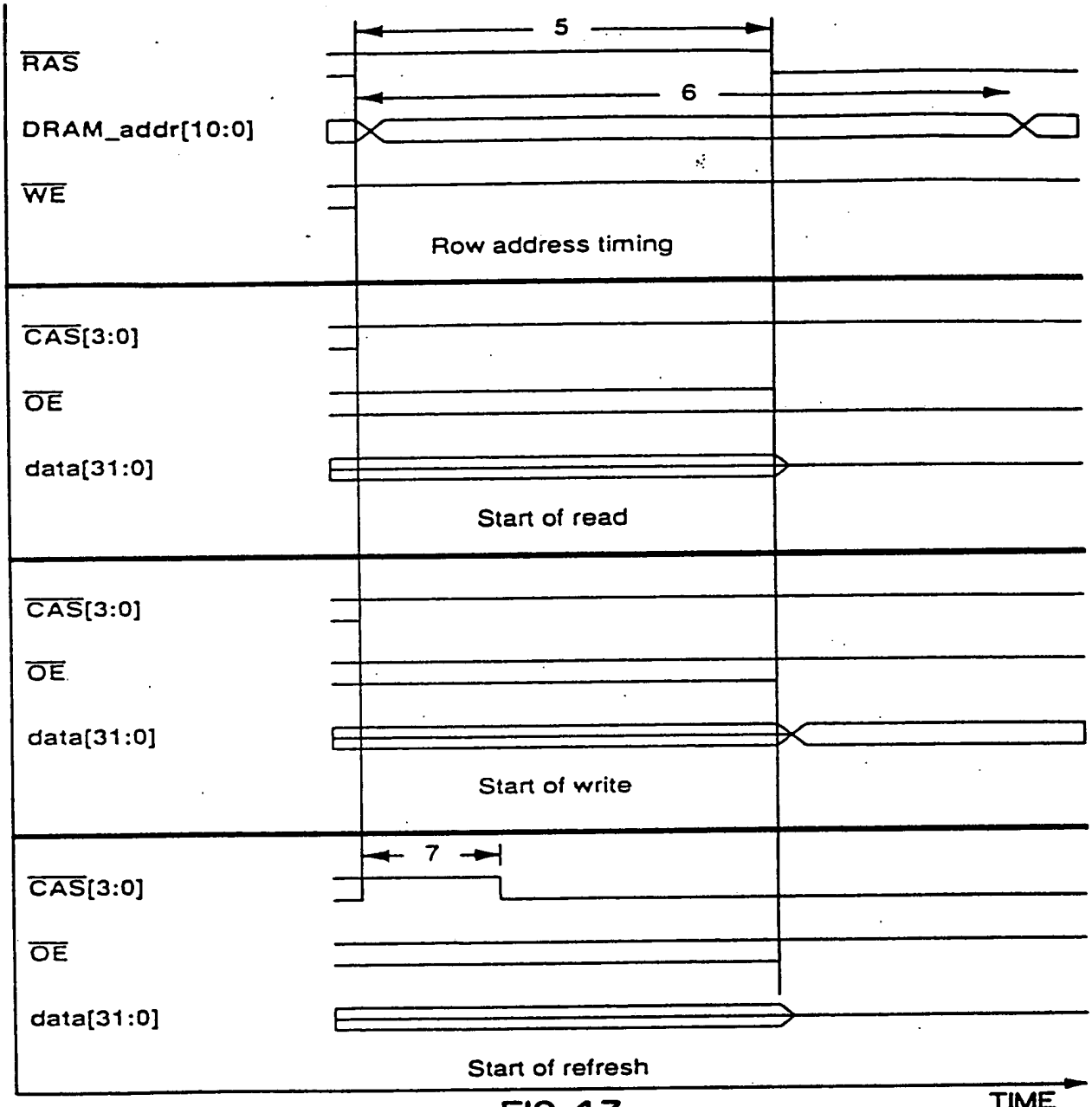


FIG.43

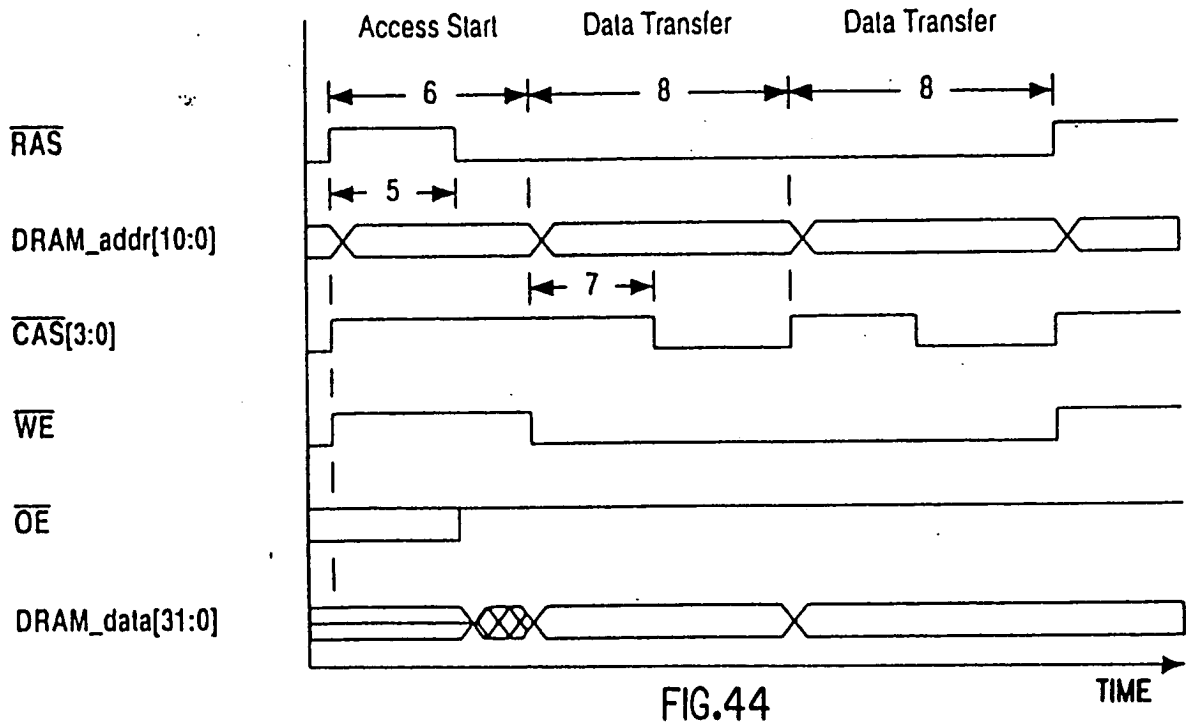


FIG.44

PRINT OF DRAWINGS AS ORIGINALLY FILED

09771062_012901

PRINT OF DRAWINGS
AS ORIGINALLY FILED

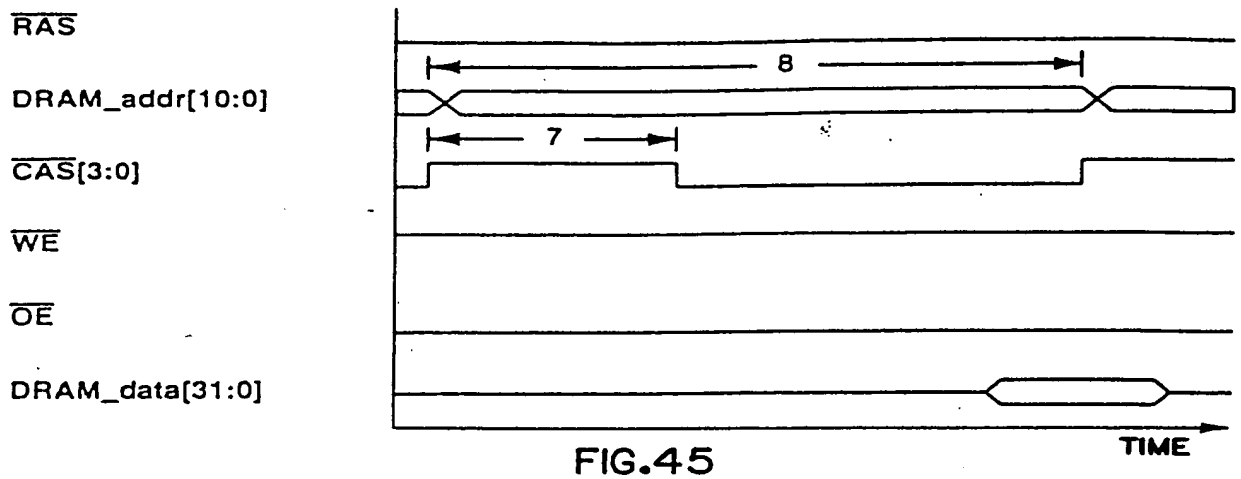


FIG.45

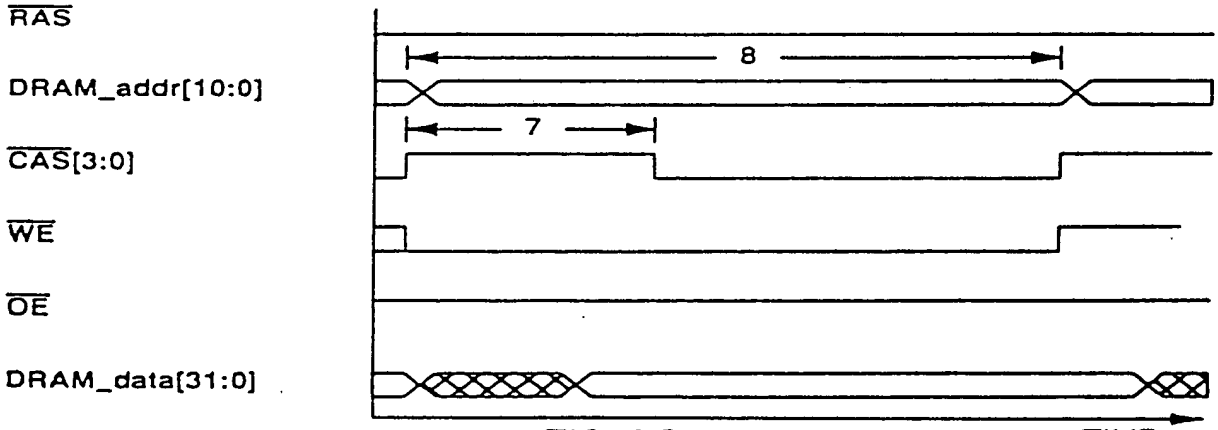


FIG.46

PRINT OF DRAWINGS
AS ORIGINALLY FILED

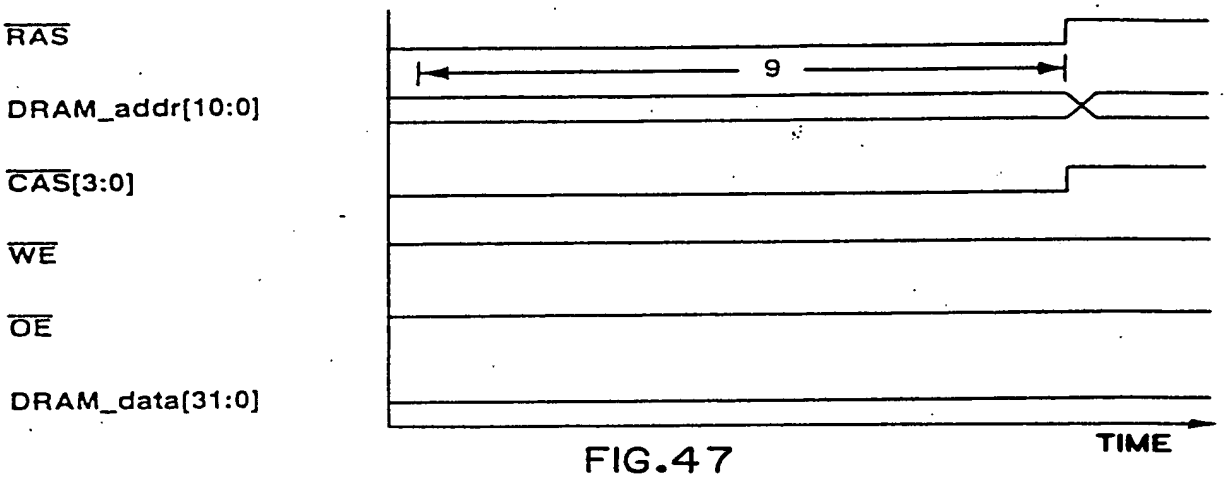


FIG.47

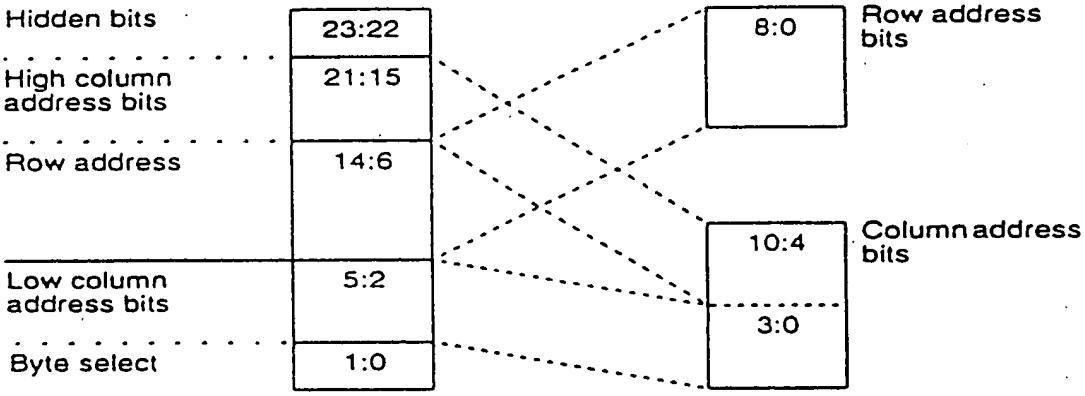


FIG.48

PRINT OF DRAWINGS
AS ORIGINALLY FILED

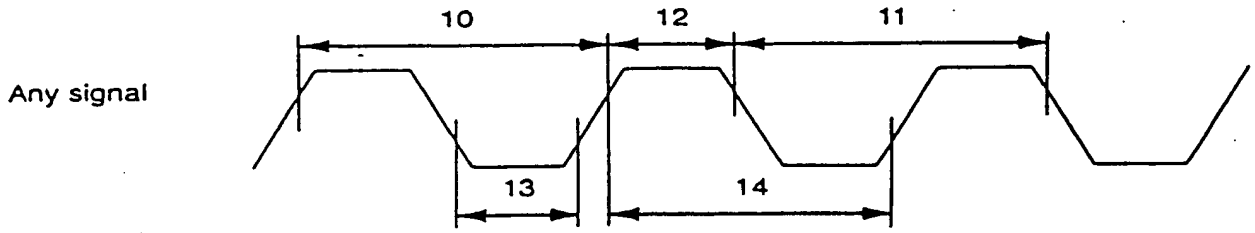


FIG.49

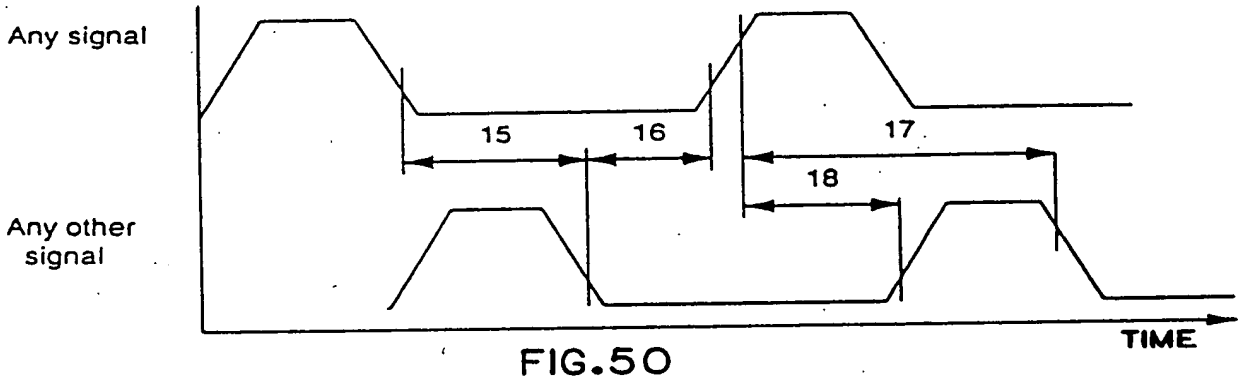


FIG.50

PRINT OF DRAWINGS
AS ORIGINALLY FILED

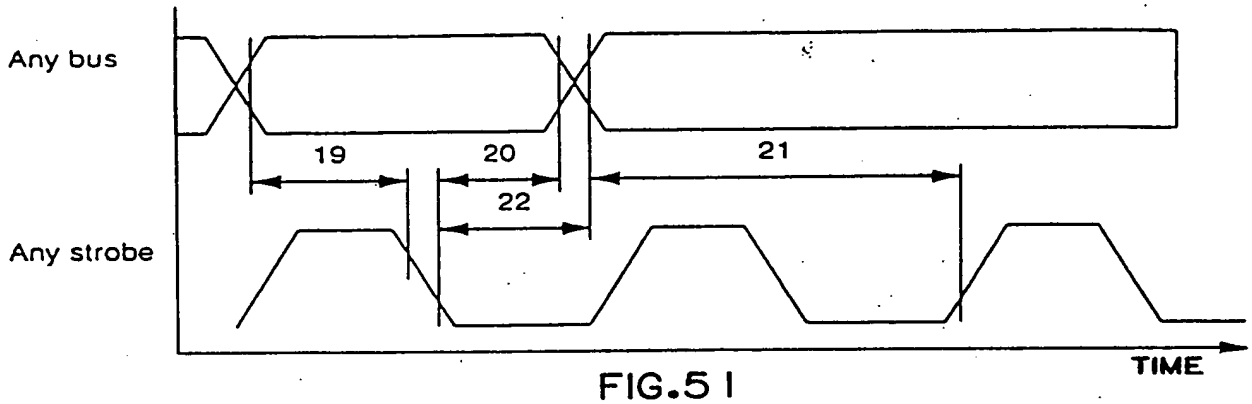


FIG.51

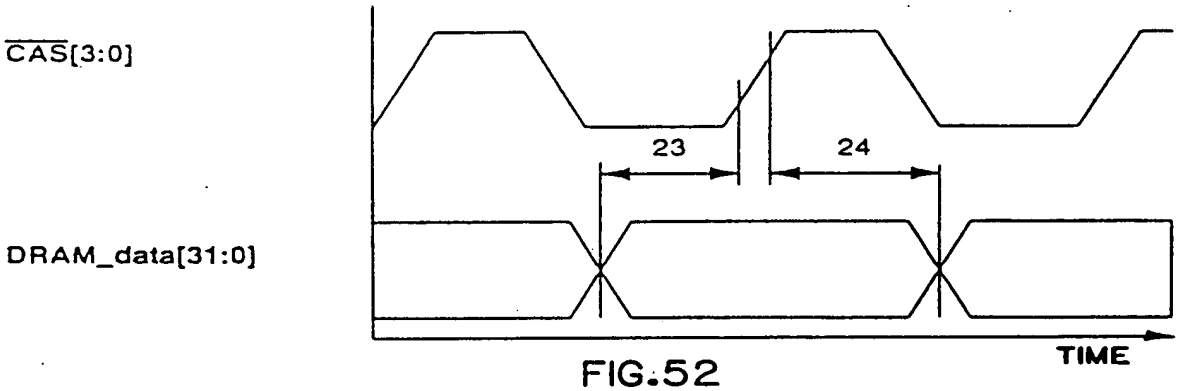


FIG.52

PRINT OF DRAWINGS
AS ORIGINALLY FILED

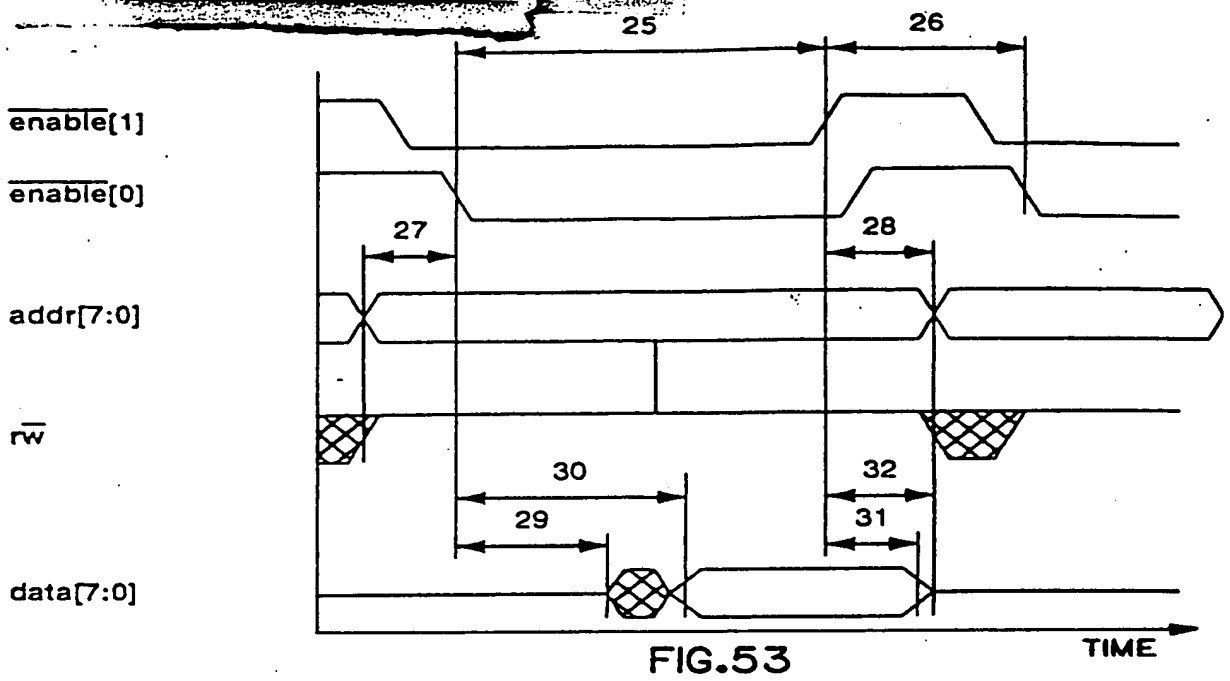


FIG.53

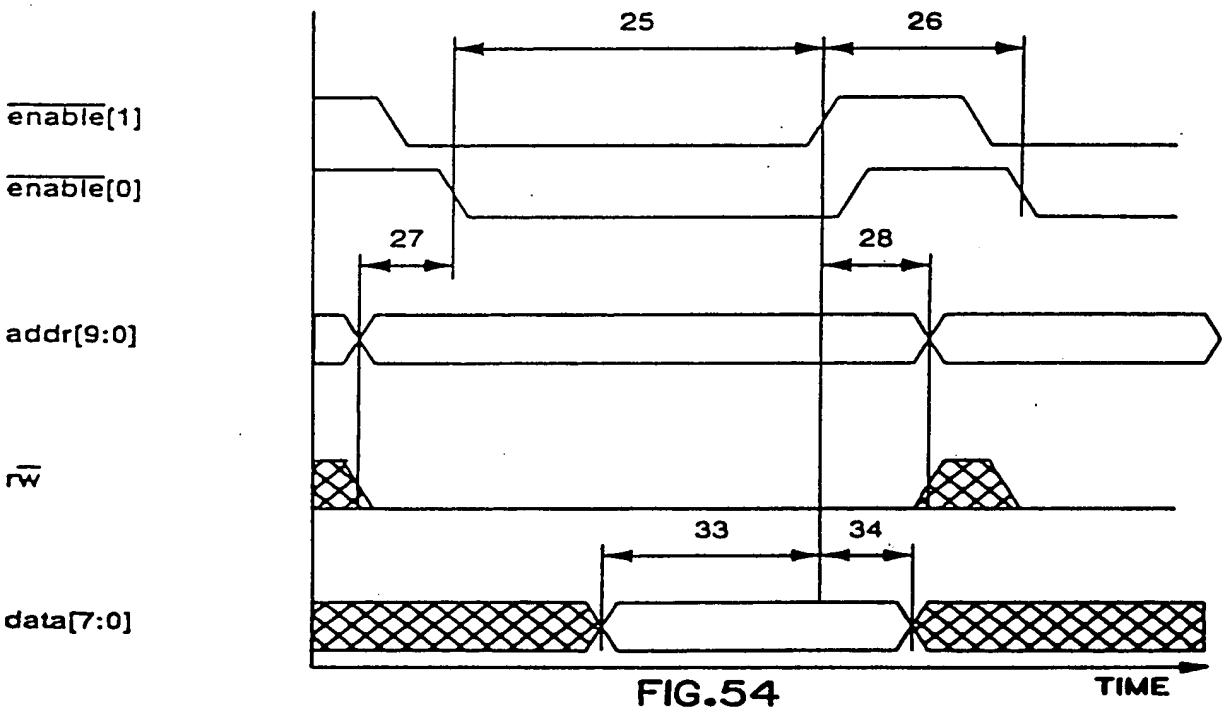


FIG.54

PRINT OF DRAWINGS
AS ORIGINALLY FILED

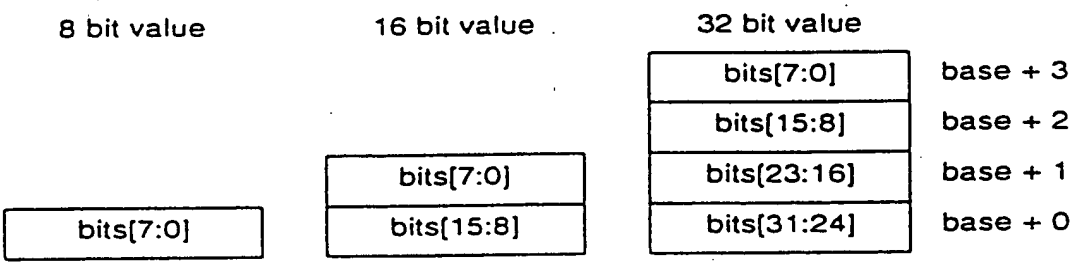


FIG.55

PRINT OF DRAWINGS
AS ORIGINALLY FILED

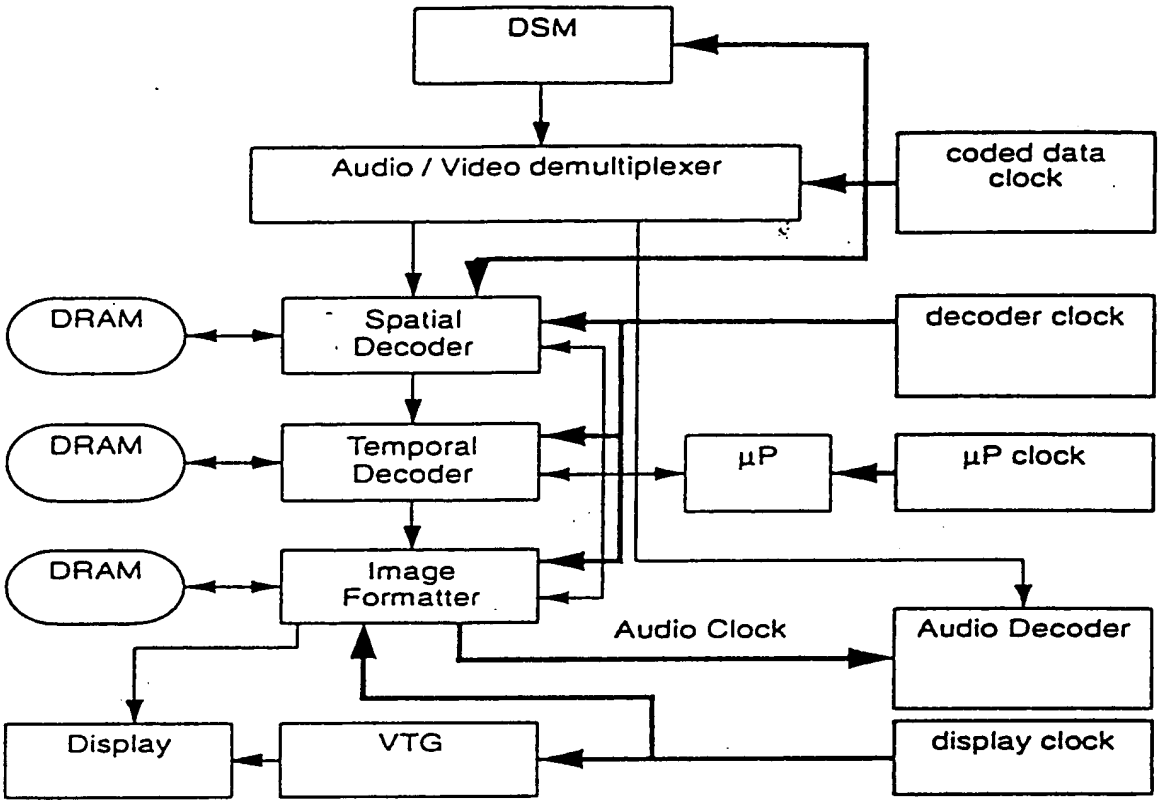


FIG.56

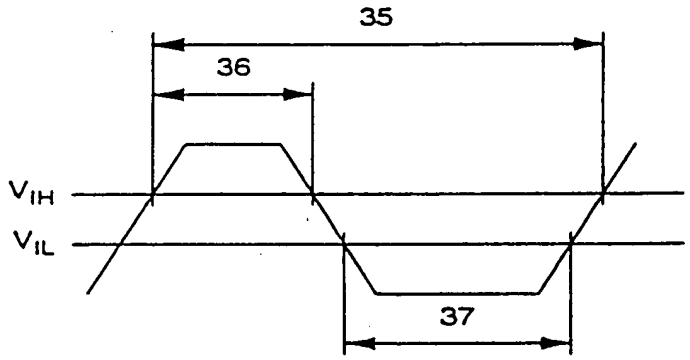


FIG.57

PRINT OF DRAWINGS
AS ORIGINALLY FILED

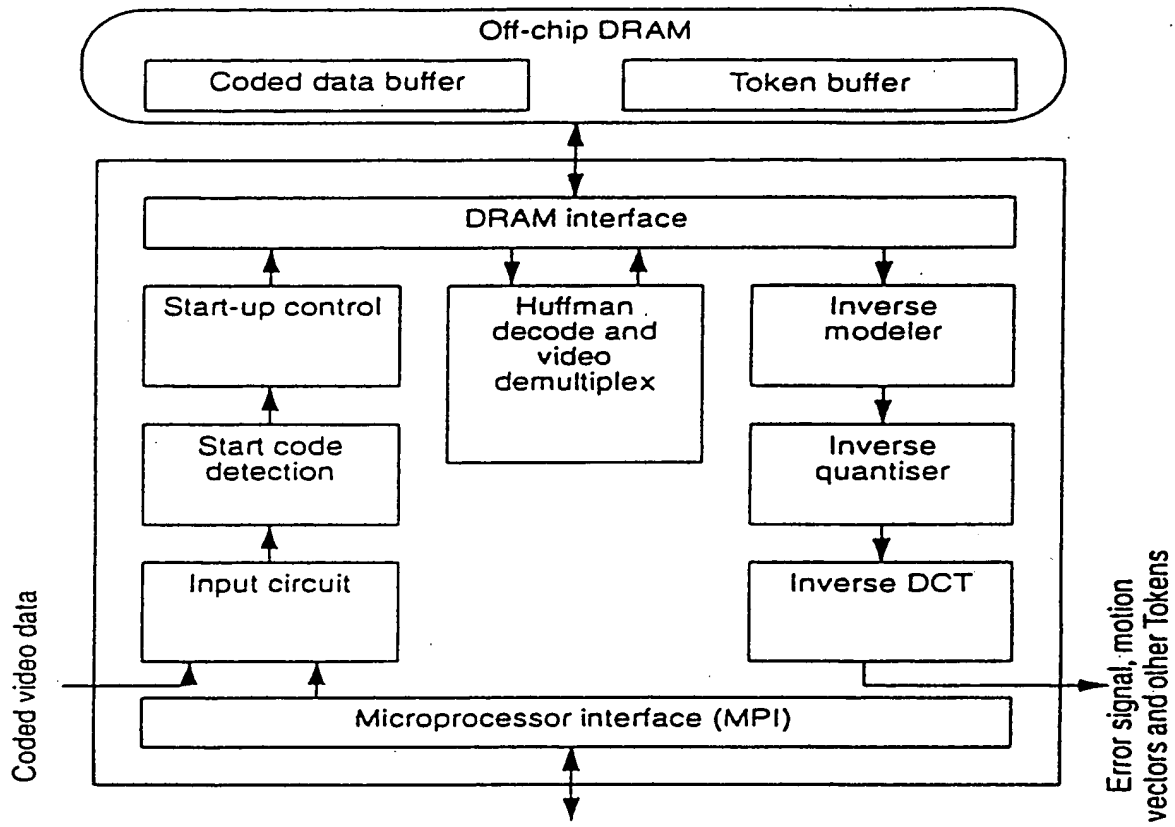


FIG.58

PRINT OF DRAWINGS
AS ORIGINALLY FILED

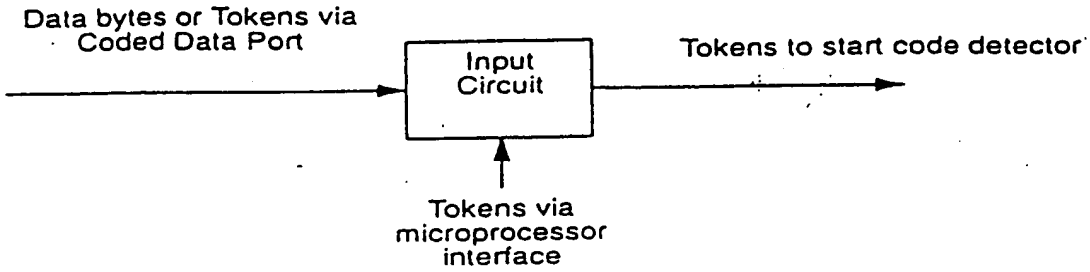


FIG.59

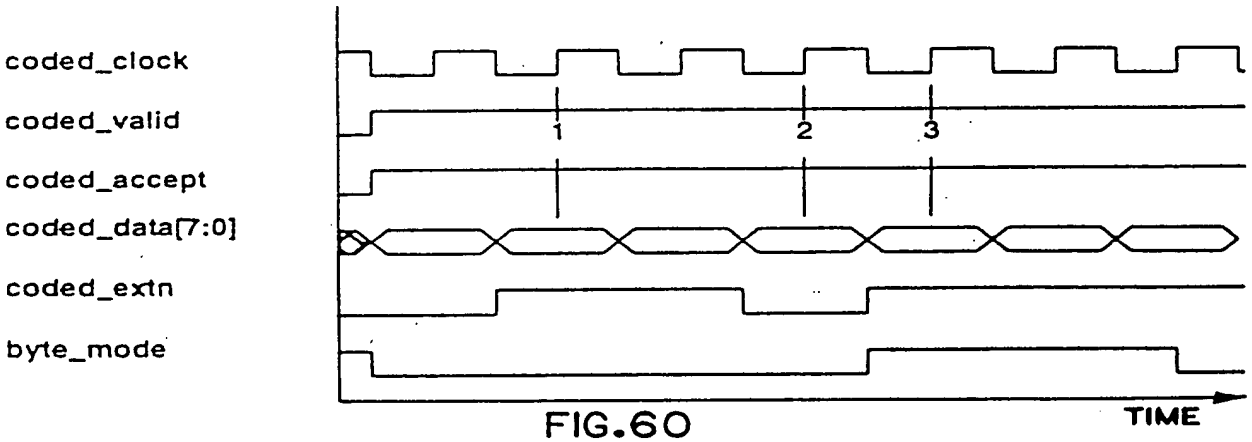


FIG.60

PRINT OF DRAWINGS
AS ORIGINALLY FILED

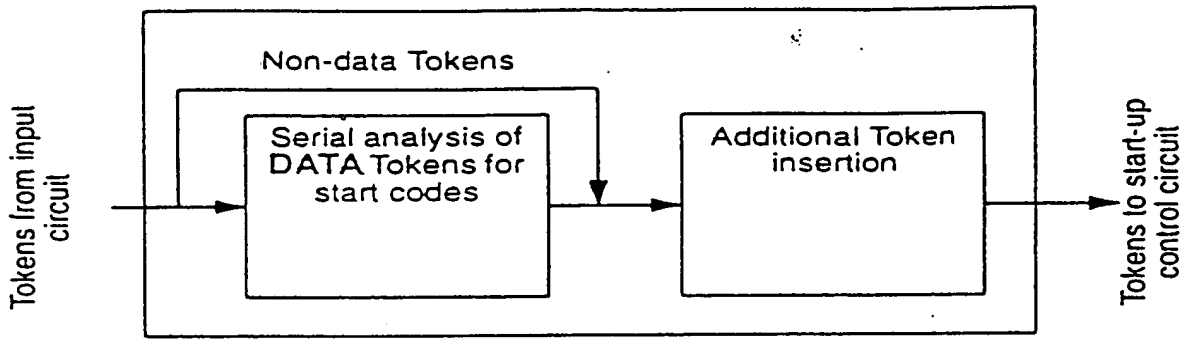


FIG.61

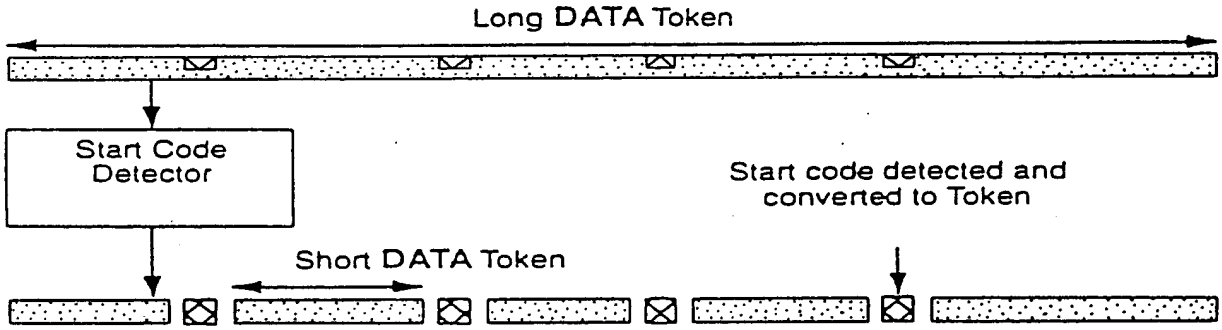


FIG.62

PRINT OF DRAWINGS
AS ORIGINALLY FILED

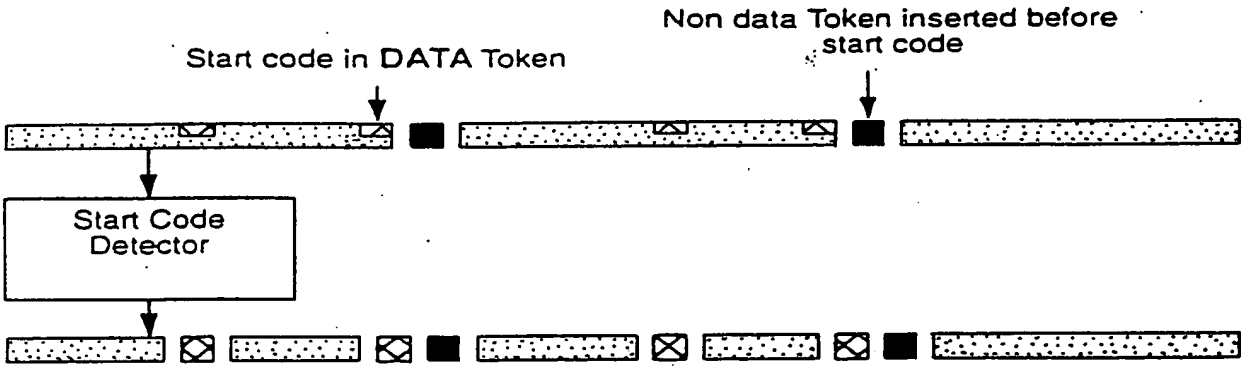


FIG.63

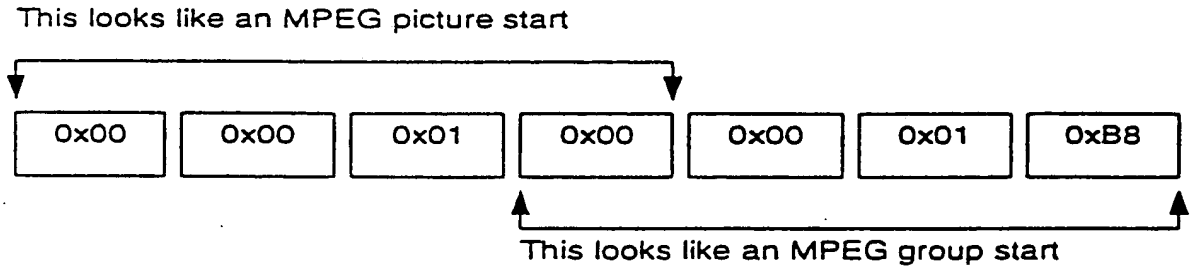


FIG.64

PRINT OF DRAWINGS
AS ORIGINALLY FILED

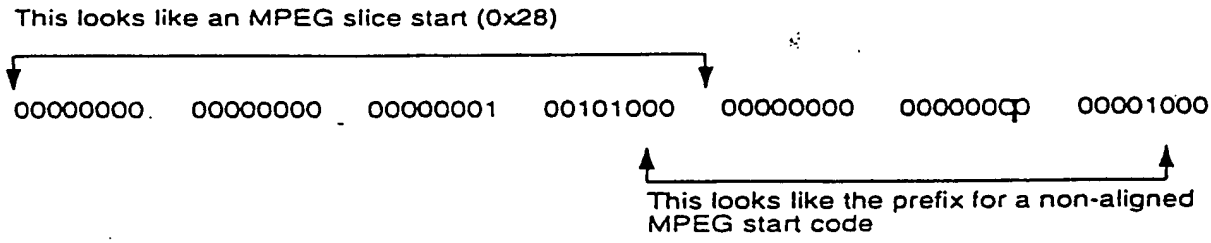


FIG.65

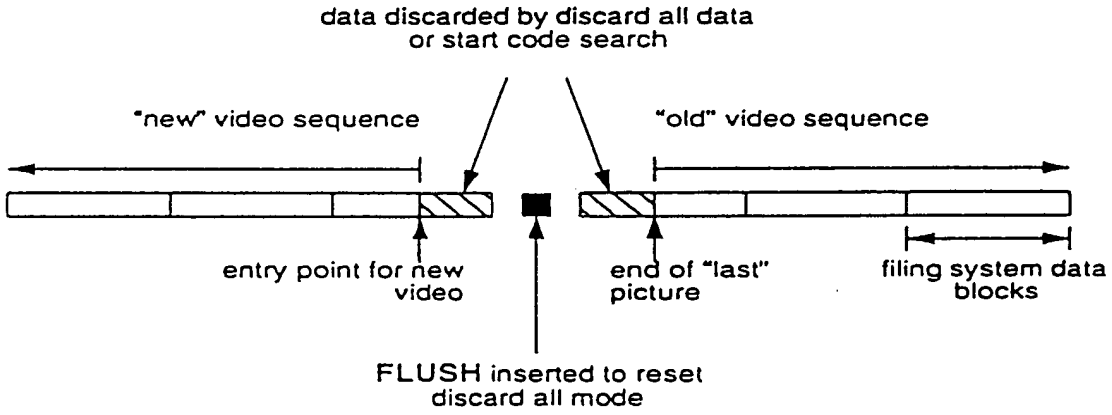


FIG.66

PRINT OF DRAWINGS
AS ORIGINALLY FILED

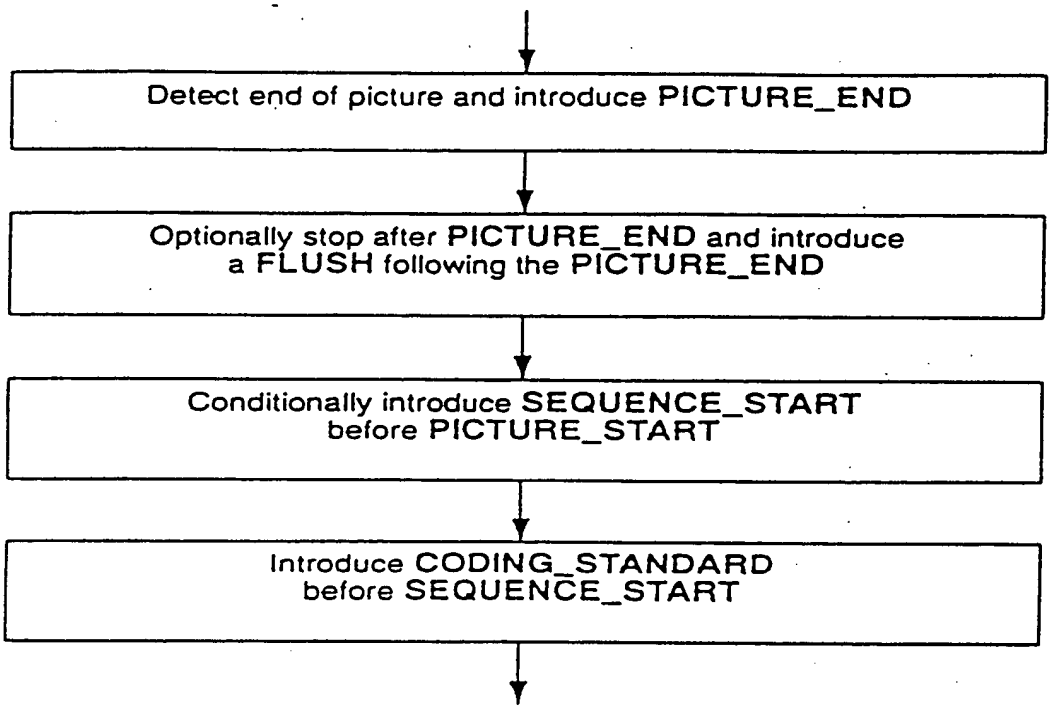


FIG.67

PRINT OF DRAWINGS
AS ORIGINALLY FILED

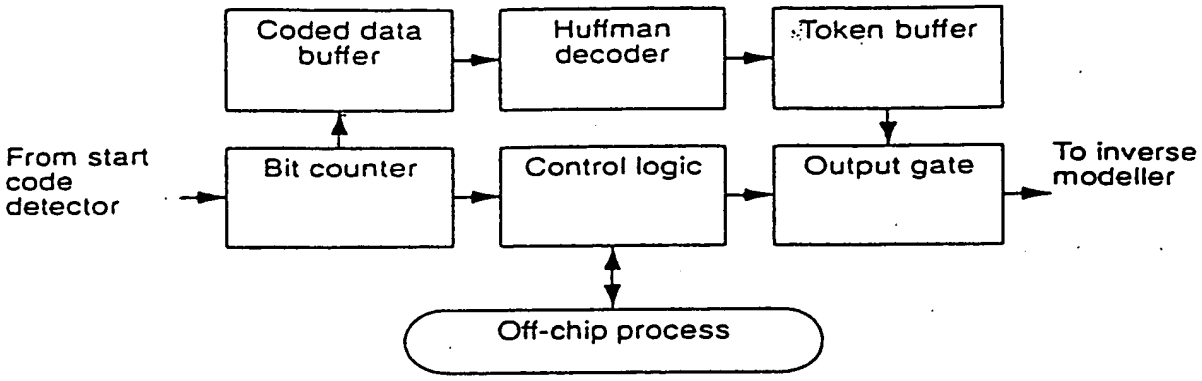


FIG.68

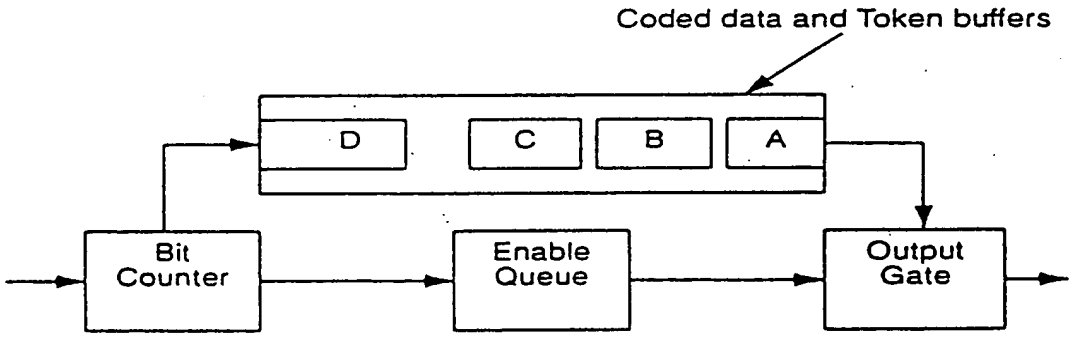


FIG.69

PRINT OF DRAWINGS
AS ORIGINALLY FILED

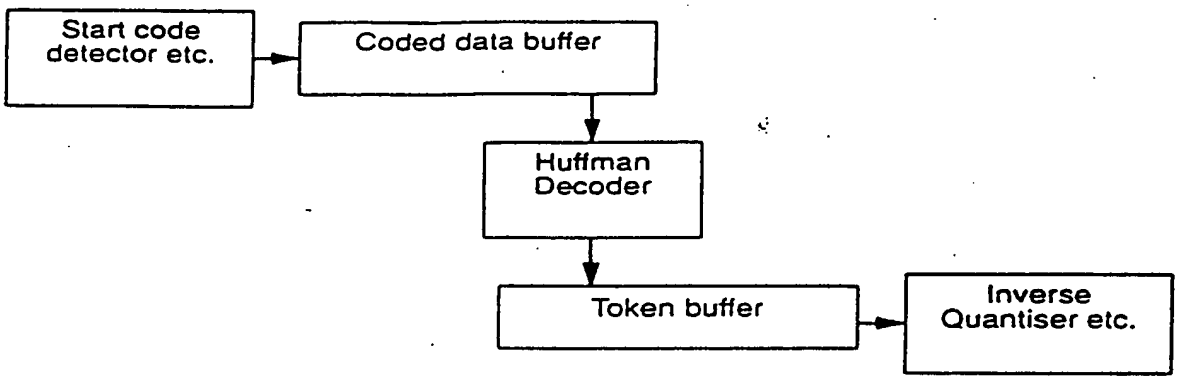


FIG.70

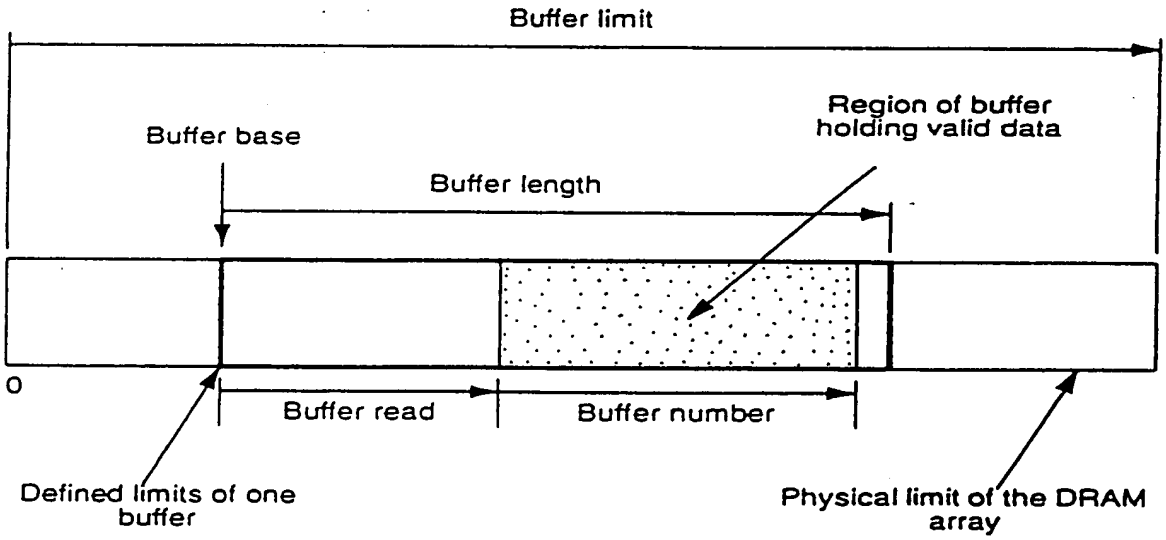


FIG.71

PRINT OF DRAWINGS
AS ORIGINALLY FILED

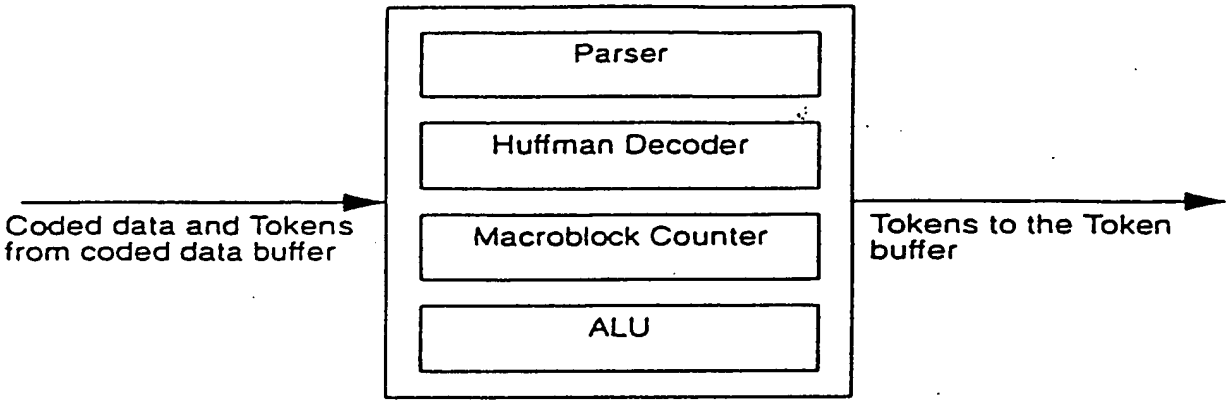


FIG.72

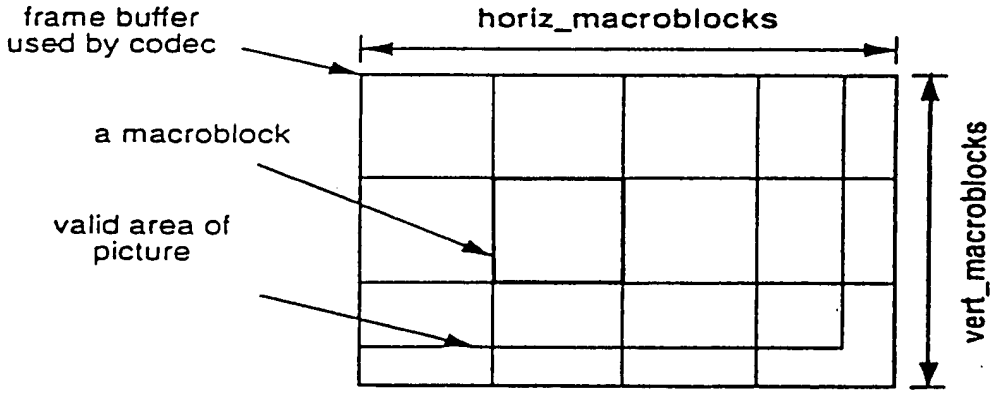


FIG.73

PRINT OF DRAWINGS
AS ORIGINALLY FILED

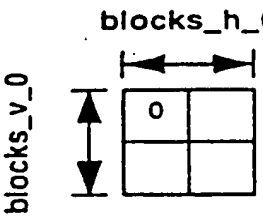


FIG.74A

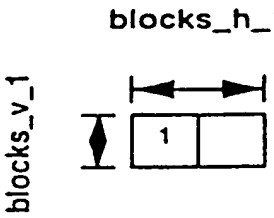


FIG.74B

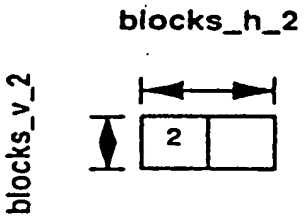


FIG.74C

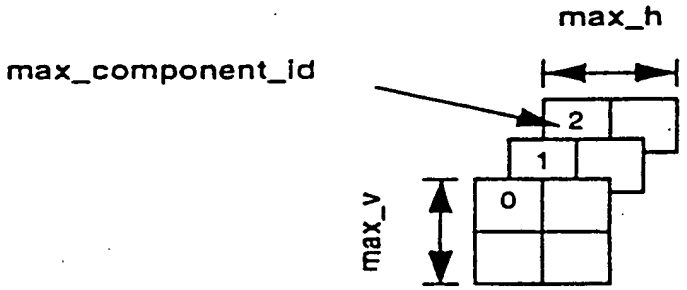


FIG.74D

$$\begin{cases} \text{horiz_macroblocks} = \dfrac{\text{horiz_pels} + 15}{16} \\ \text{vert_macroblocks} = \dfrac{\text{vert_pels} + 15}{16} \end{cases}$$

FIG.75

PRINT OF DRAWINGS
AS ORIGINALLY FILED

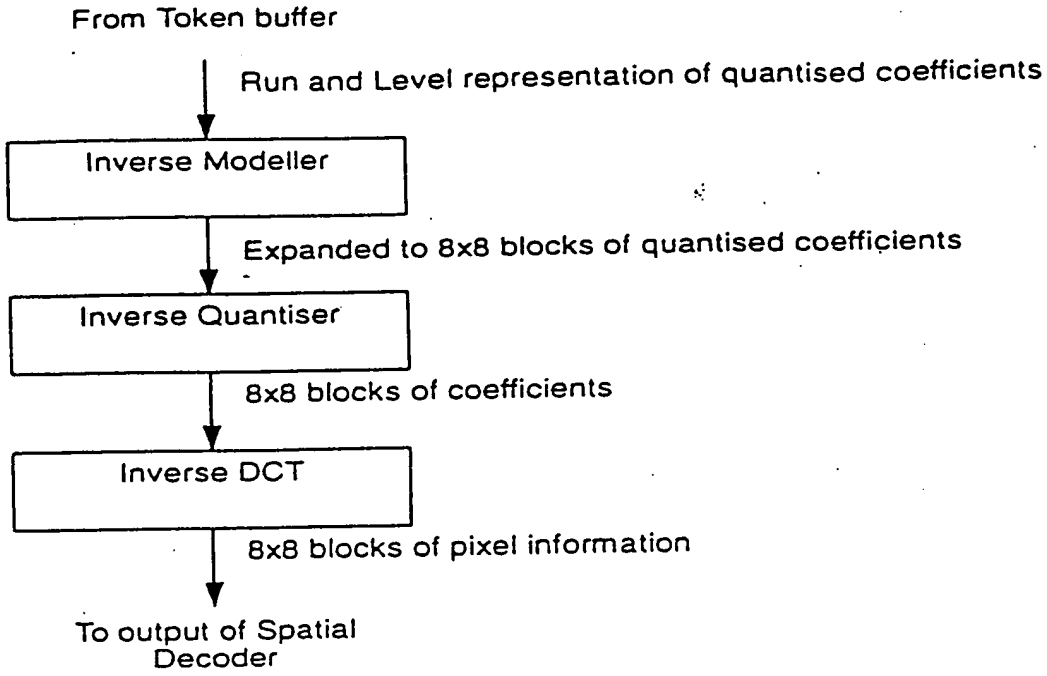


FIG.76

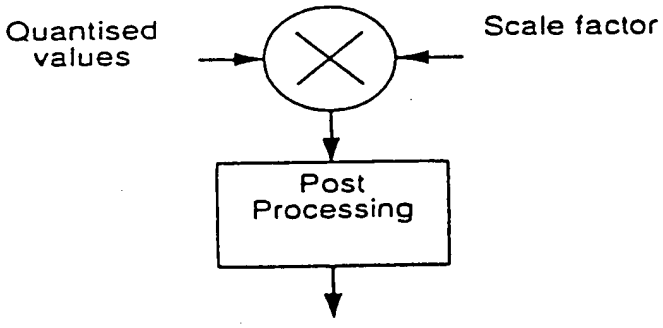


FIG.77

PRINT OF DRAWINGS
AS ORIGINALLY FILED

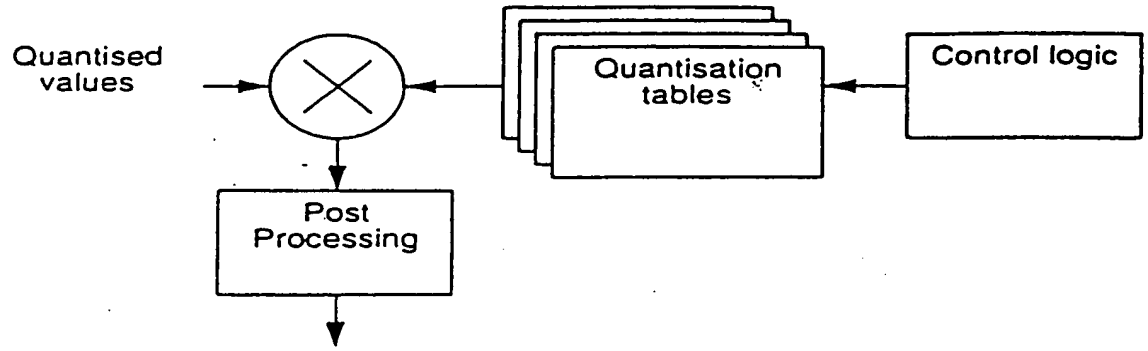


FIG.78

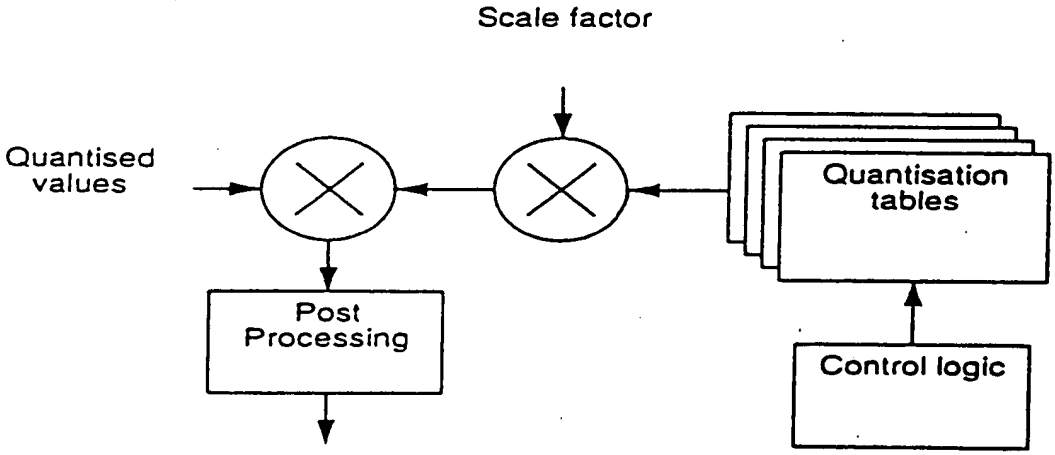


FIG.79

PRINT OF DRAWINGS
AS ORIGINALLY FILED

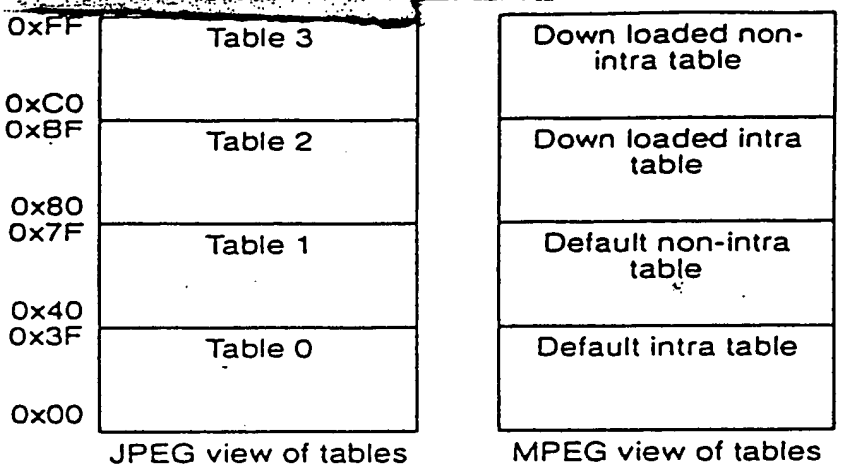


FIG.80

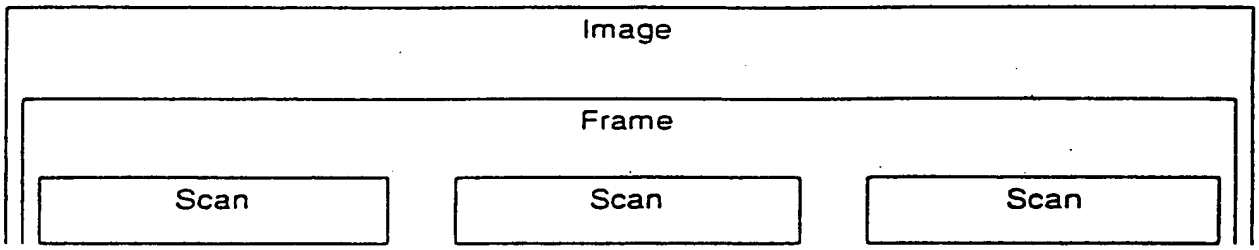


FIG.8 I

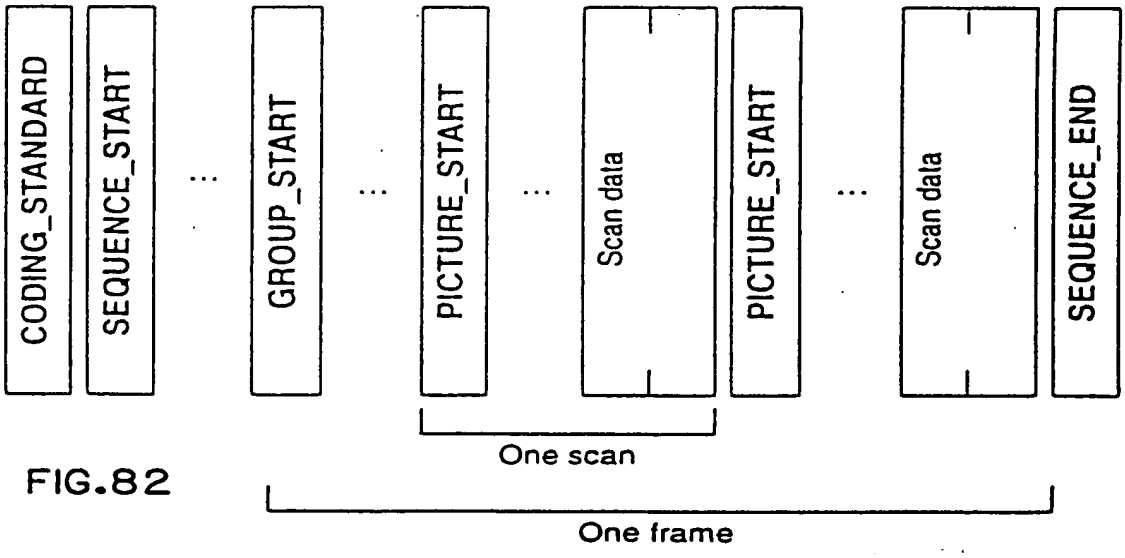


FIG.82

PRINT OF DRAWINGS
AS ORIGINALLY FILED

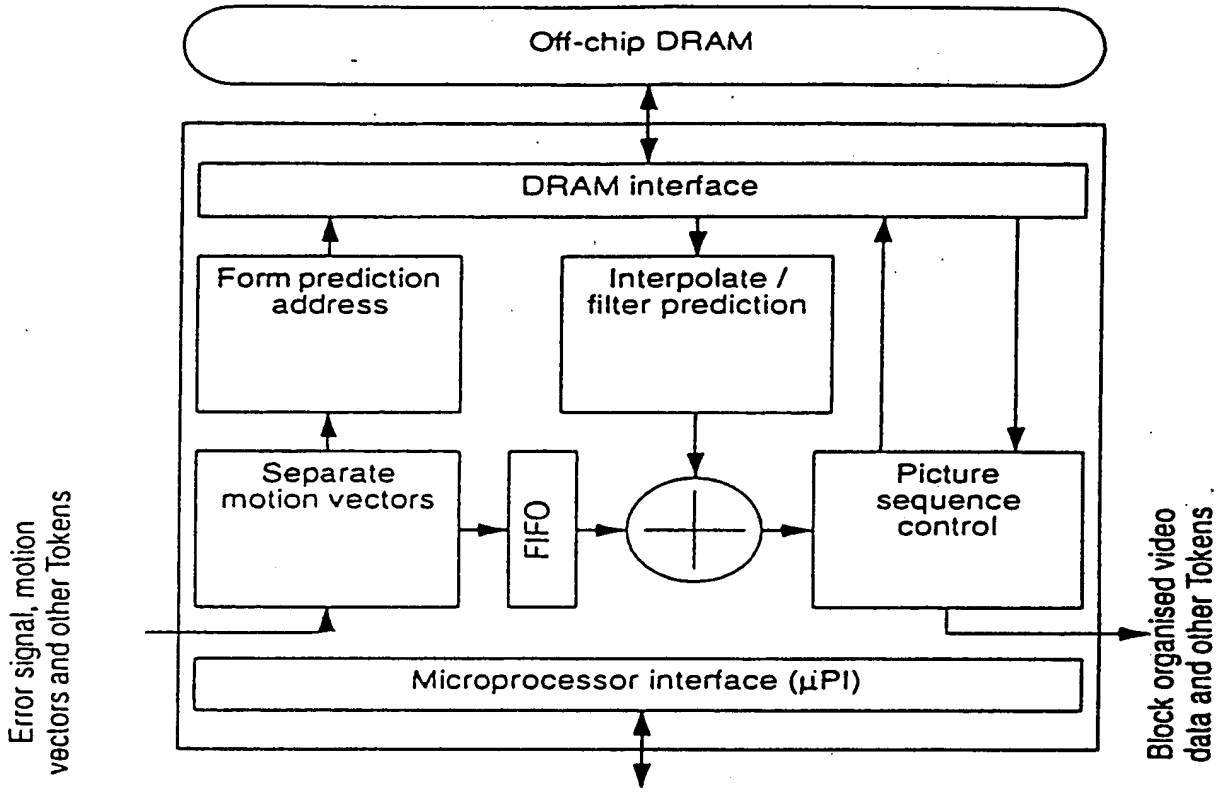


FIG.83

PRINT OF DRAWINGS
AS ORIGINALLY FILED

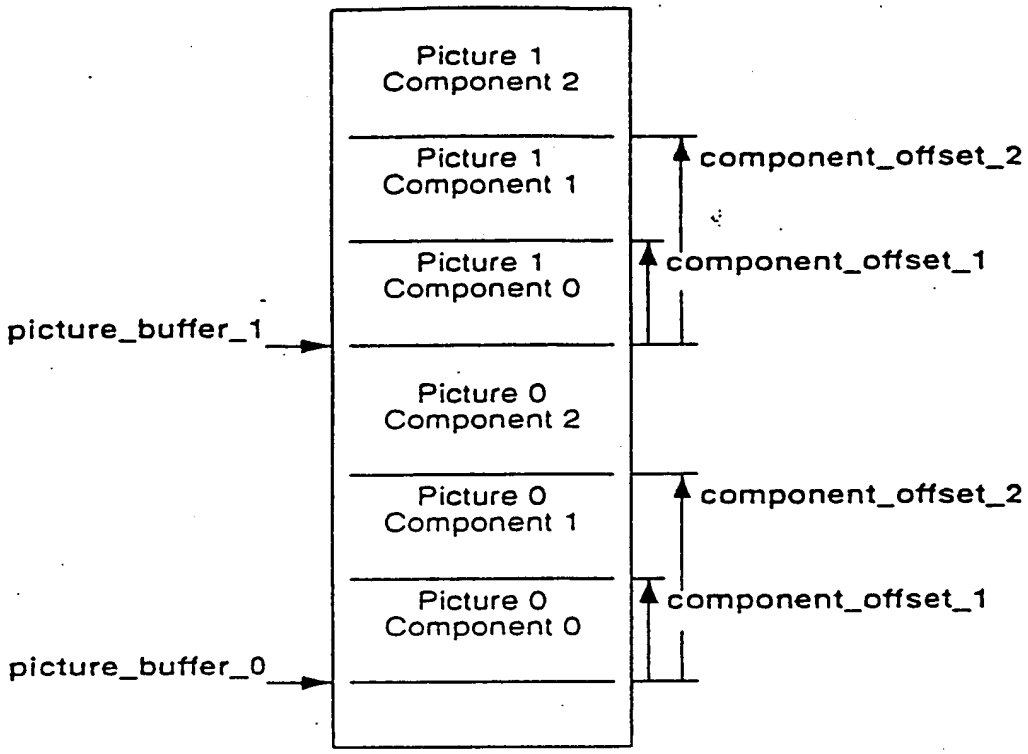


FIG.84

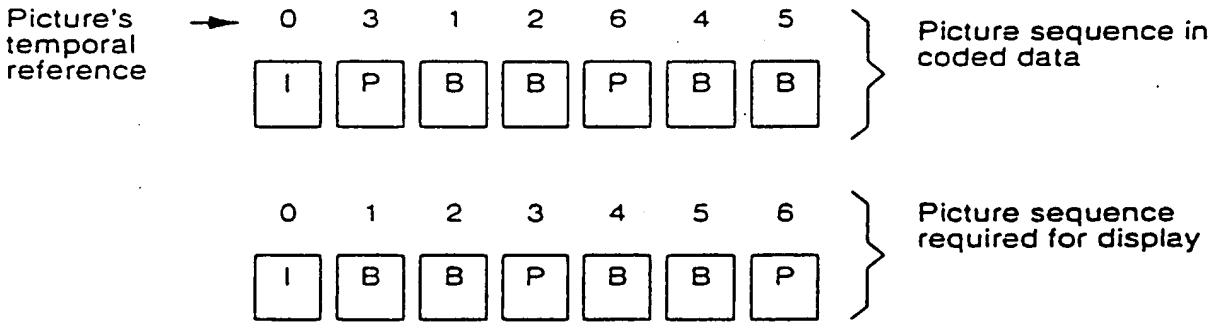


FIG.85

PRINT OF DRAWINGS
AS ORIGINALLY FILED

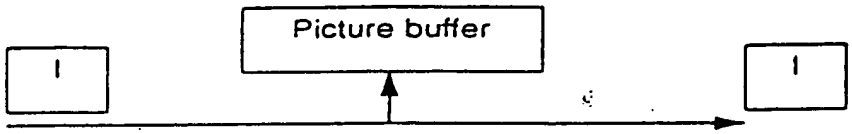


FIG.86

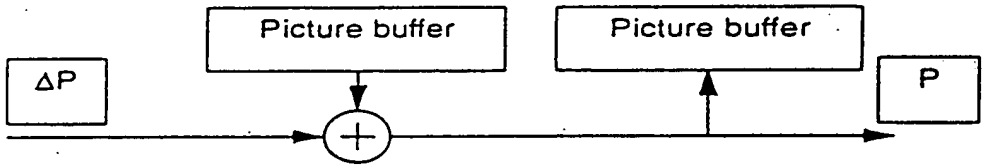


FIG.87

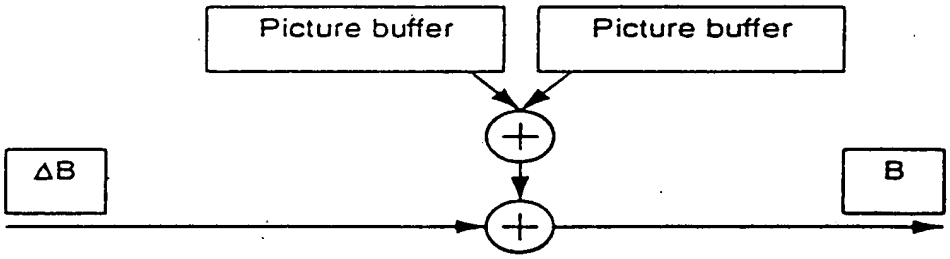


FIG.88

PRINT OF DRAWINGS
AS ORIGINALLY FILED

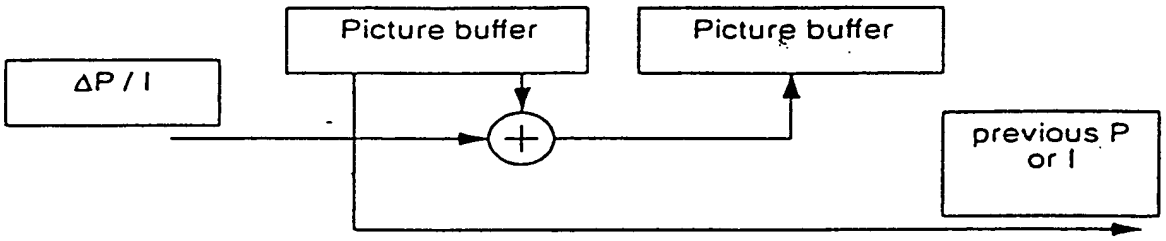


FIG.89

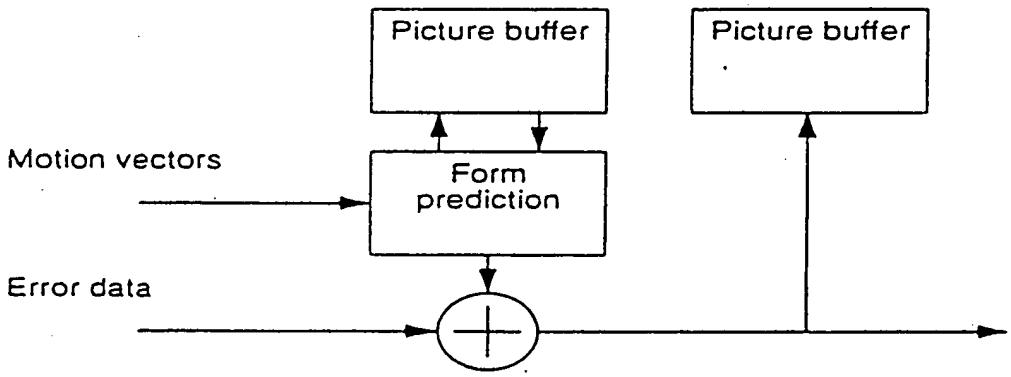


FIG.90

PRINT OF DRAWINGS
AS ORIGINALLY FILED

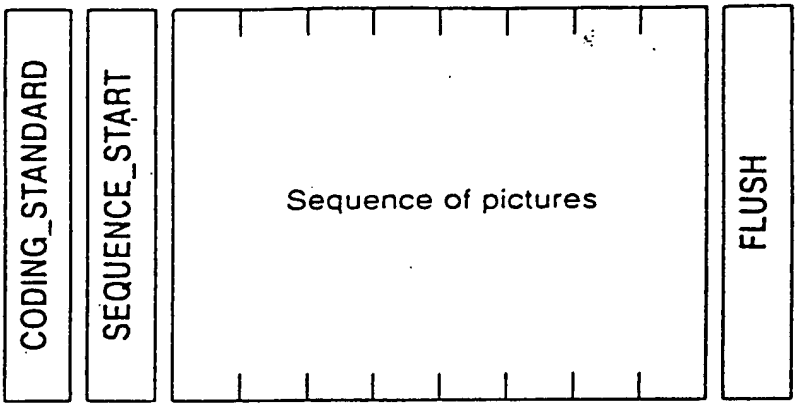


FIG.91

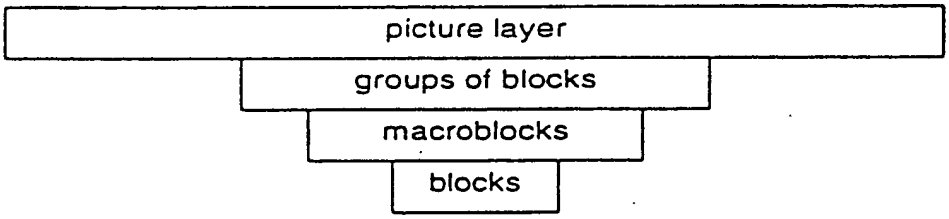


FIG.92

PRINT OF DRAWINGS
AS ORIGINALLY FILED

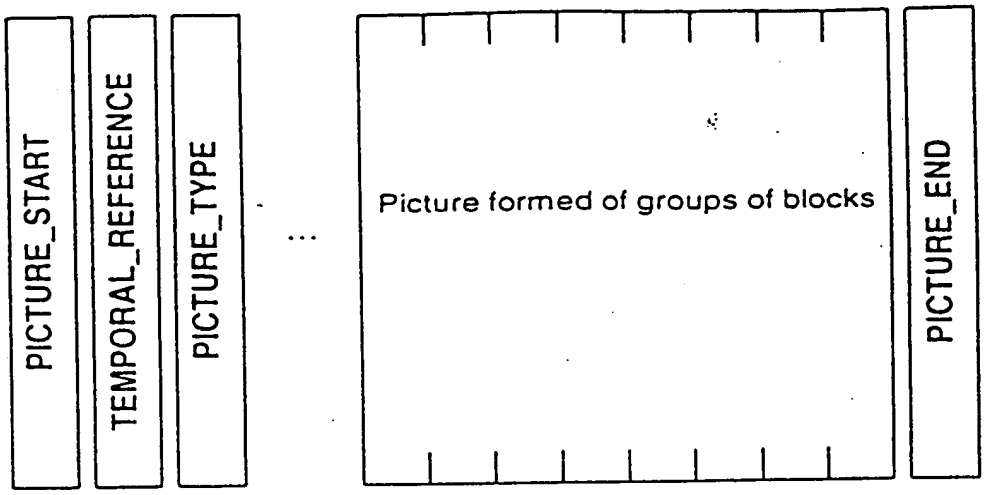


FIG.93

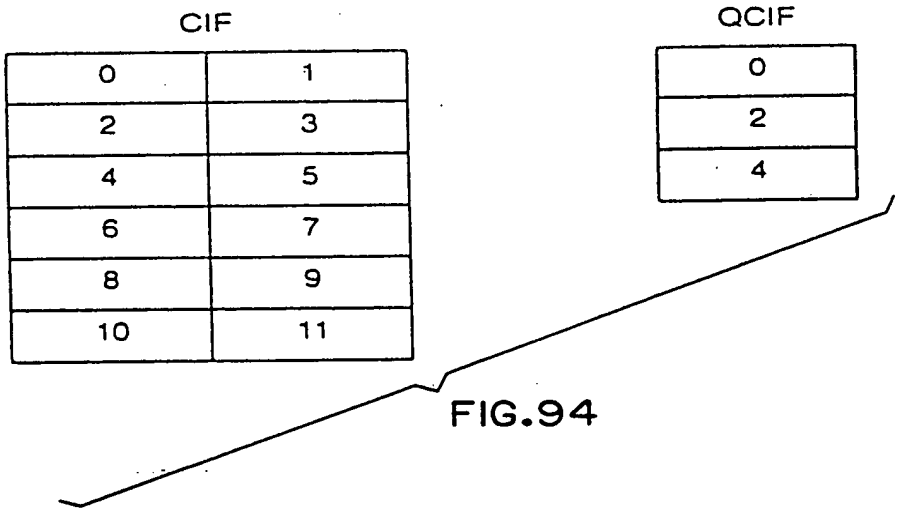


FIG.94

PRINT OF DRAWINGS
AS ORIGINALLY FILED

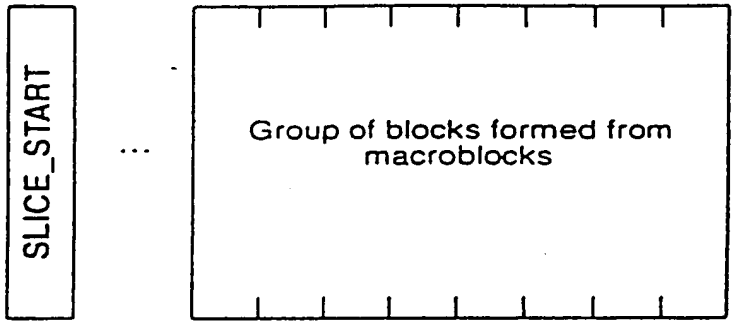


FIG.95

1	2	3	4	5	6	7	8	9	10	11
12	13	14	15	16	17	18	19	20	21	22
23	24	25	26	27	28	29	30	31	32	33

FIG.96

PRINT OF DRAWINGS
AS ORIGINALLY FILED

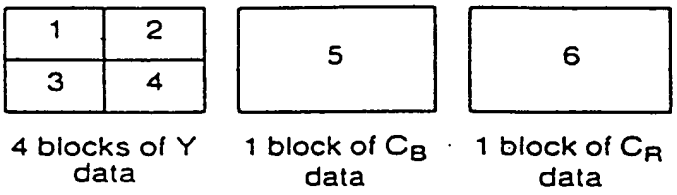


FIG.97

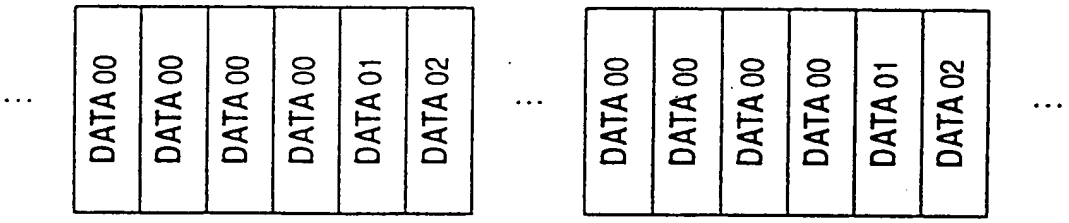


FIG.98

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EP 0 720 379 A2

1	2	3	4	5	6	7	8
9	10	11	12	13	14	15	16

:

59	58	59	60	61	62	63	64

FIG.99

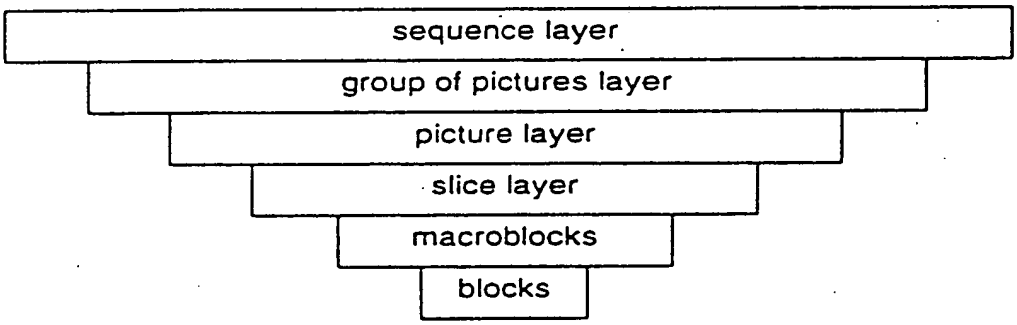


FIG. 100

PRINT OF DRAWINGS
AS ORIGINALLY FILED

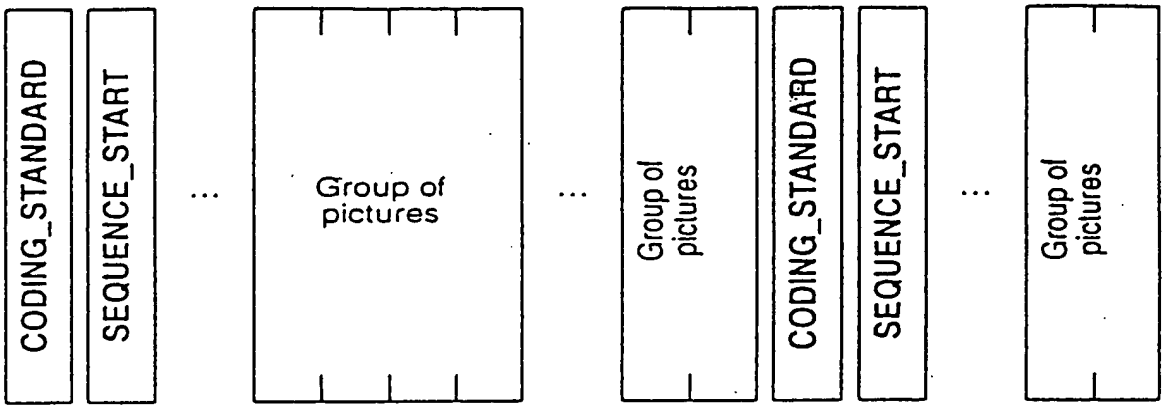


FIG. 101

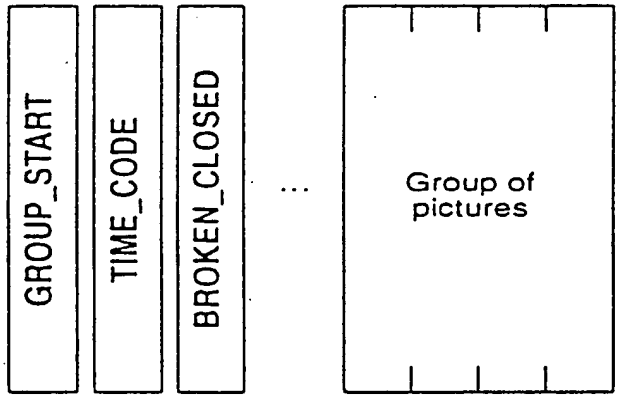


FIG. 102

PRINT OF DRAWINGS
AS ORIGINALLY FILED

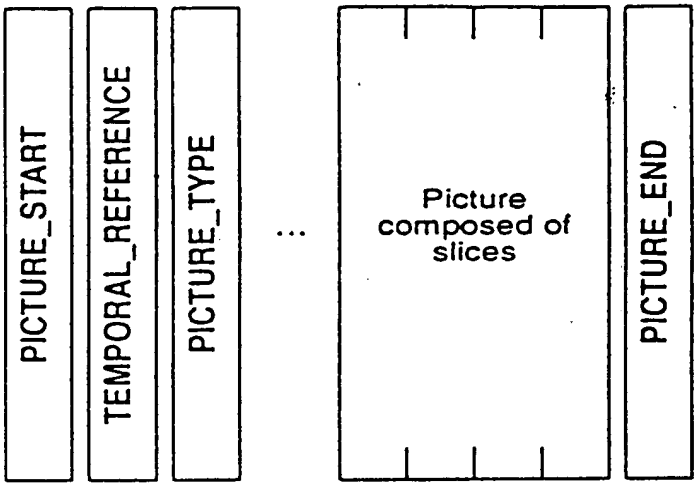


FIG. 103

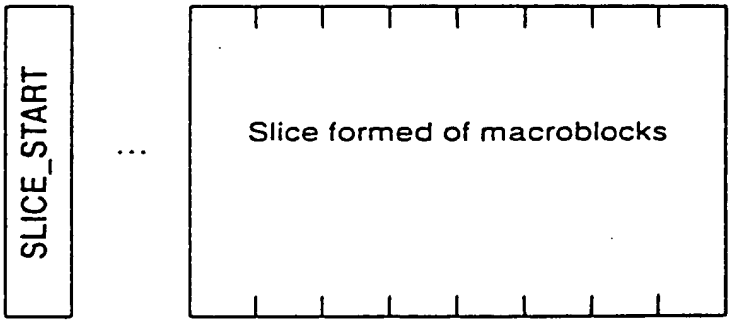


FIG. 104

PRINT OF DRAWINGS
AS ORIGINALLY FILED

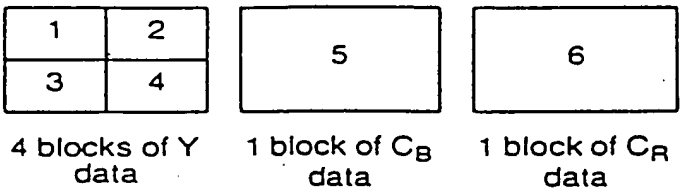


FIG. 105

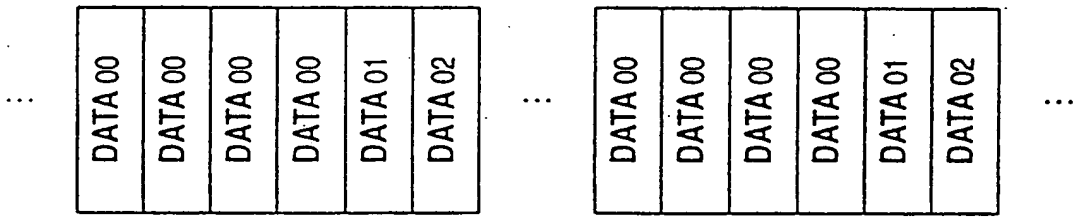


FIG. 106

PRINT OF DRAWINGS
AS ORIGINALLY FILED

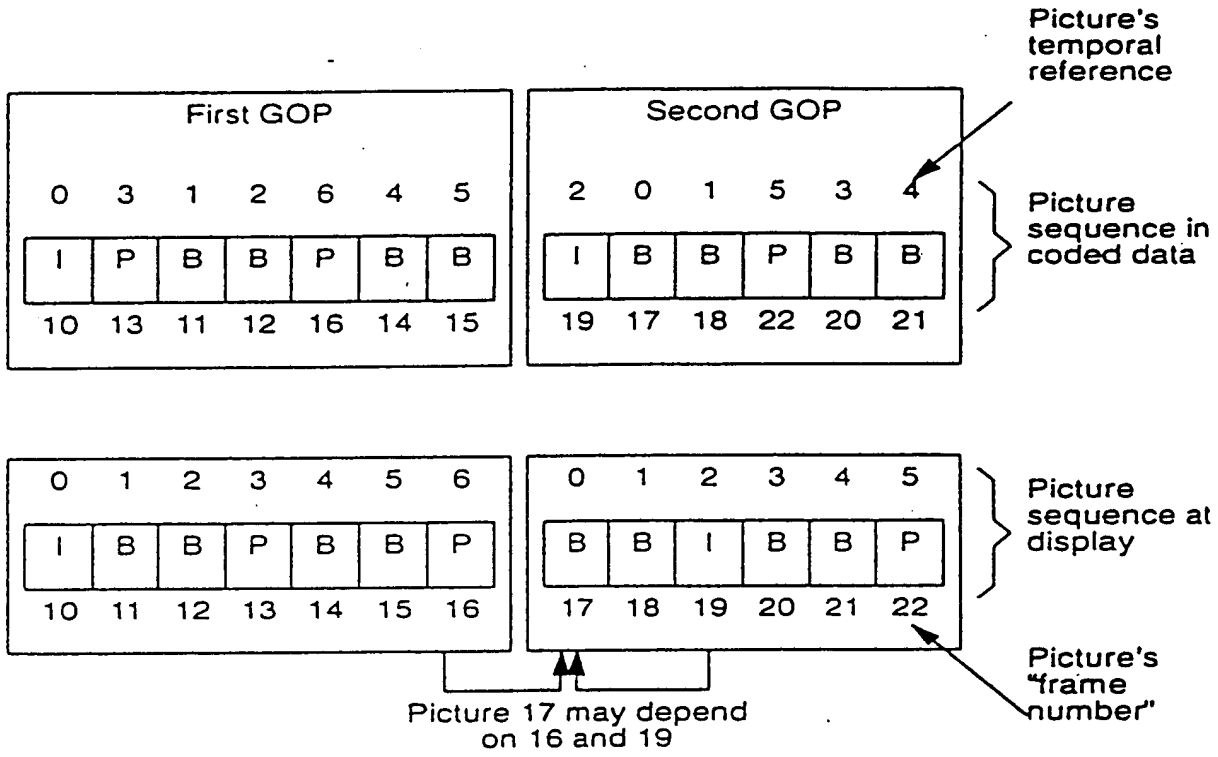


FIG. 107

PRINT OF DRAWINGS
AS ORIGINALLY FILED

FIG. 108

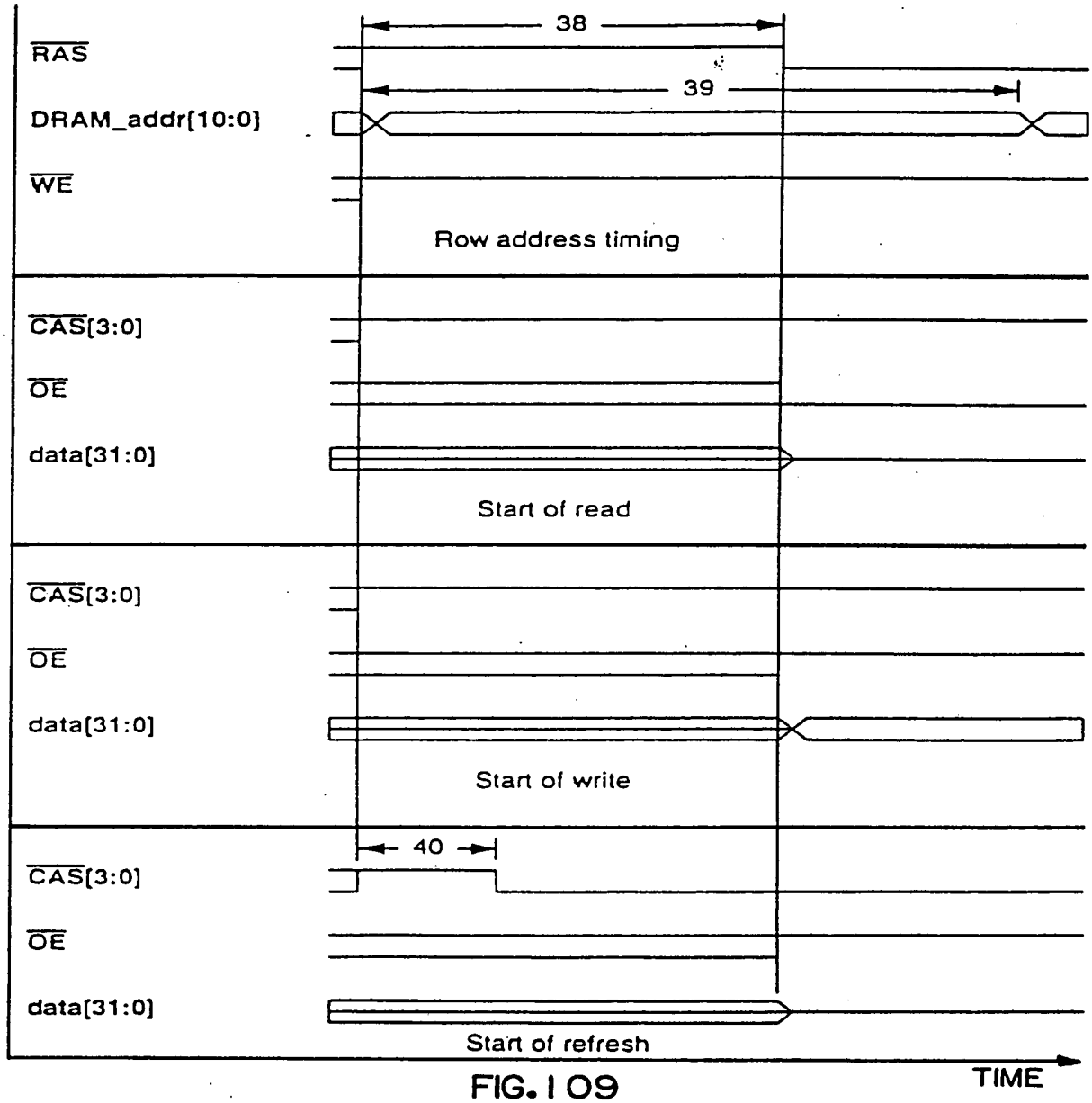


FIG. 109

PRINT OF DRAWINGS
AS ORIGINALLY FILED

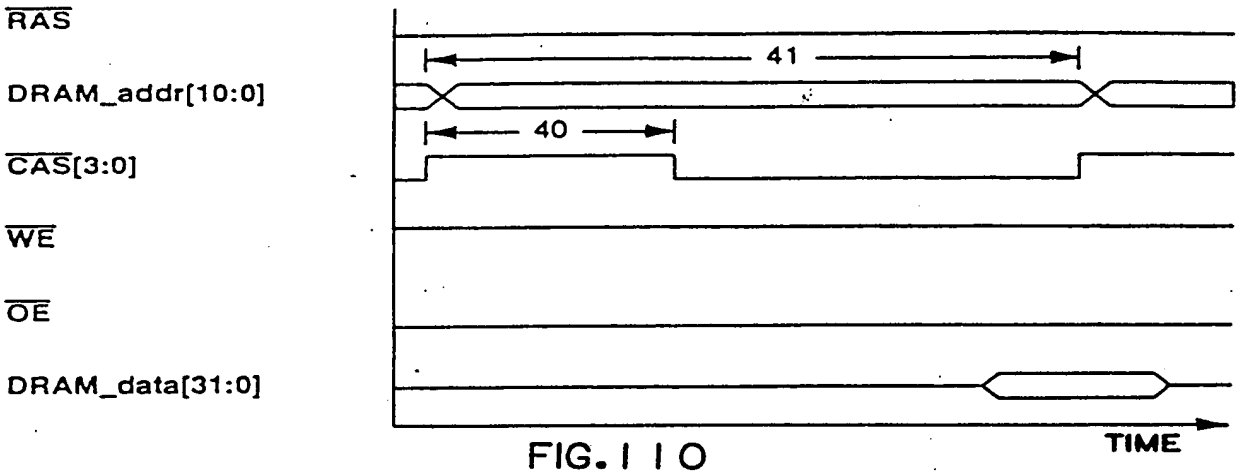


FIG. 110

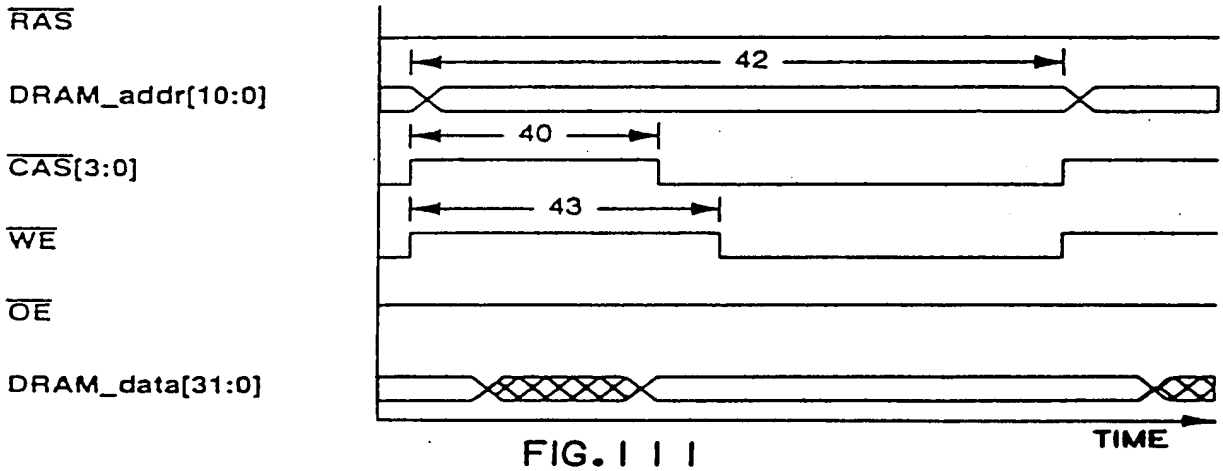


FIG. 111

PRINT OF DRAWINGS
AS ORIGINALLY FILED

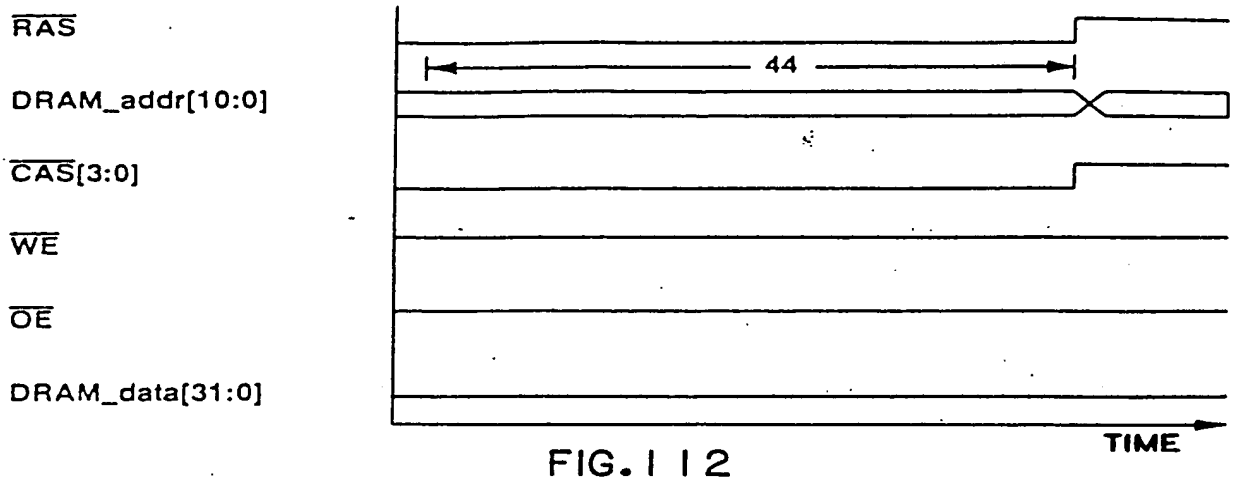


FIG. 112

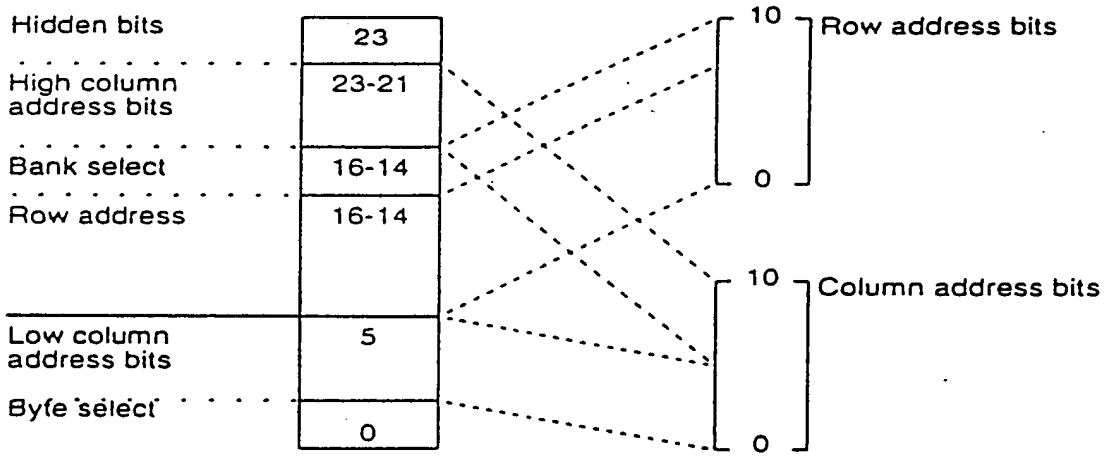


FIG. 113

PRINT OF DRAWINGS
AS ORIGINALLY FILED

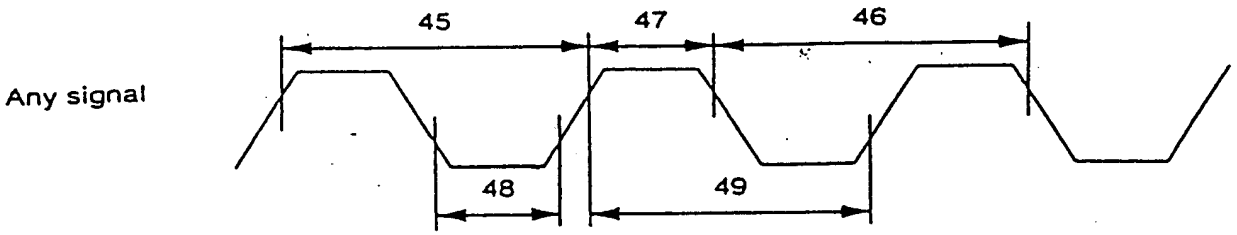


FIG. 114

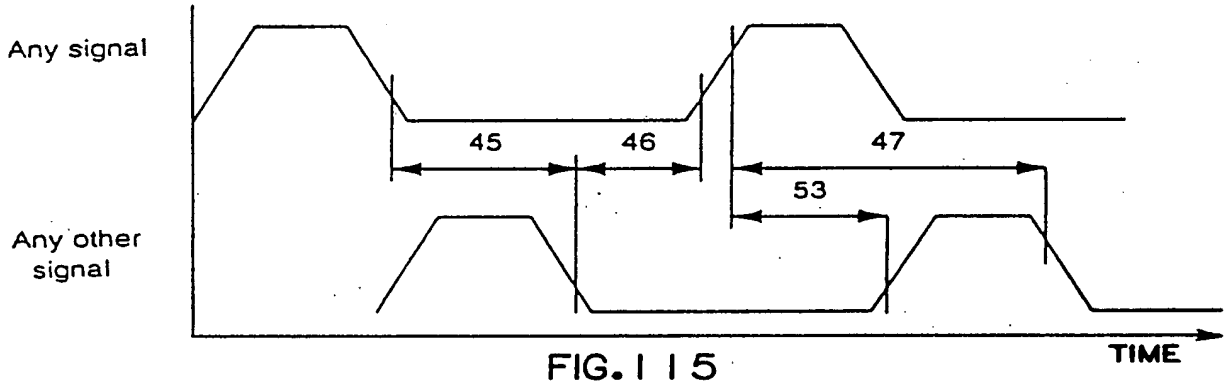


FIG. 115

PRINT OF DRAWINGS
AS ORIGINALLY FILED

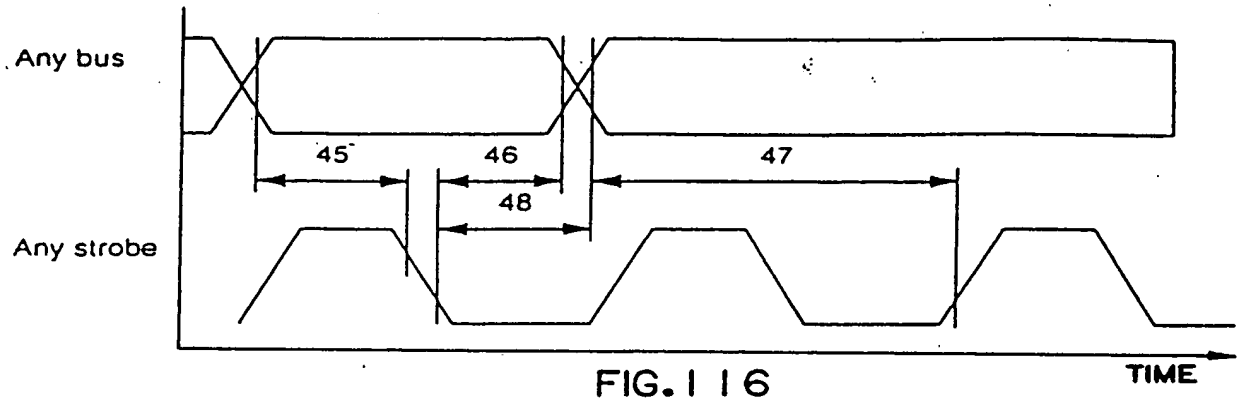


FIG. 116

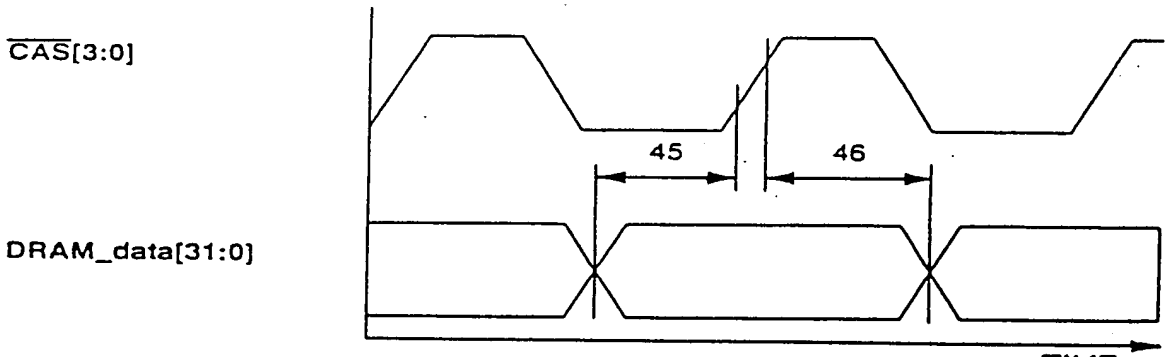


FIG. 117

PRINT OF DRAWINGS
AS ORIGINALLY FILED

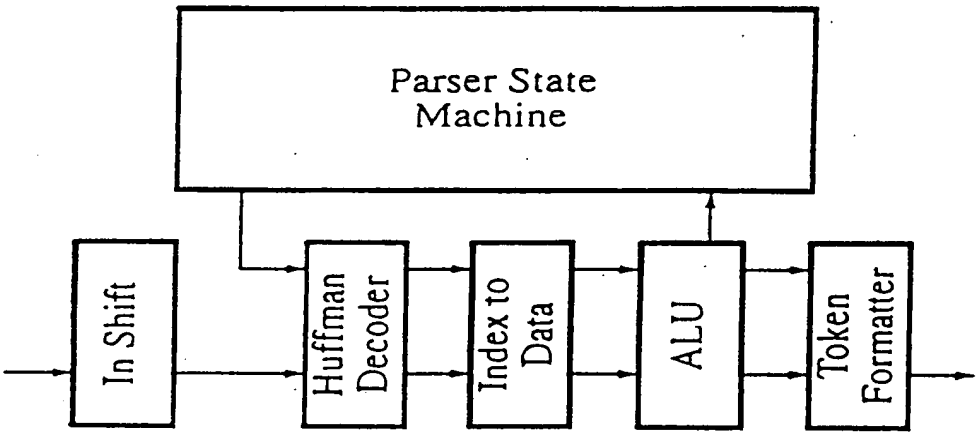


FIG. 118

PRINT OF DRAWINGS
AS ORIGINALLY FILED

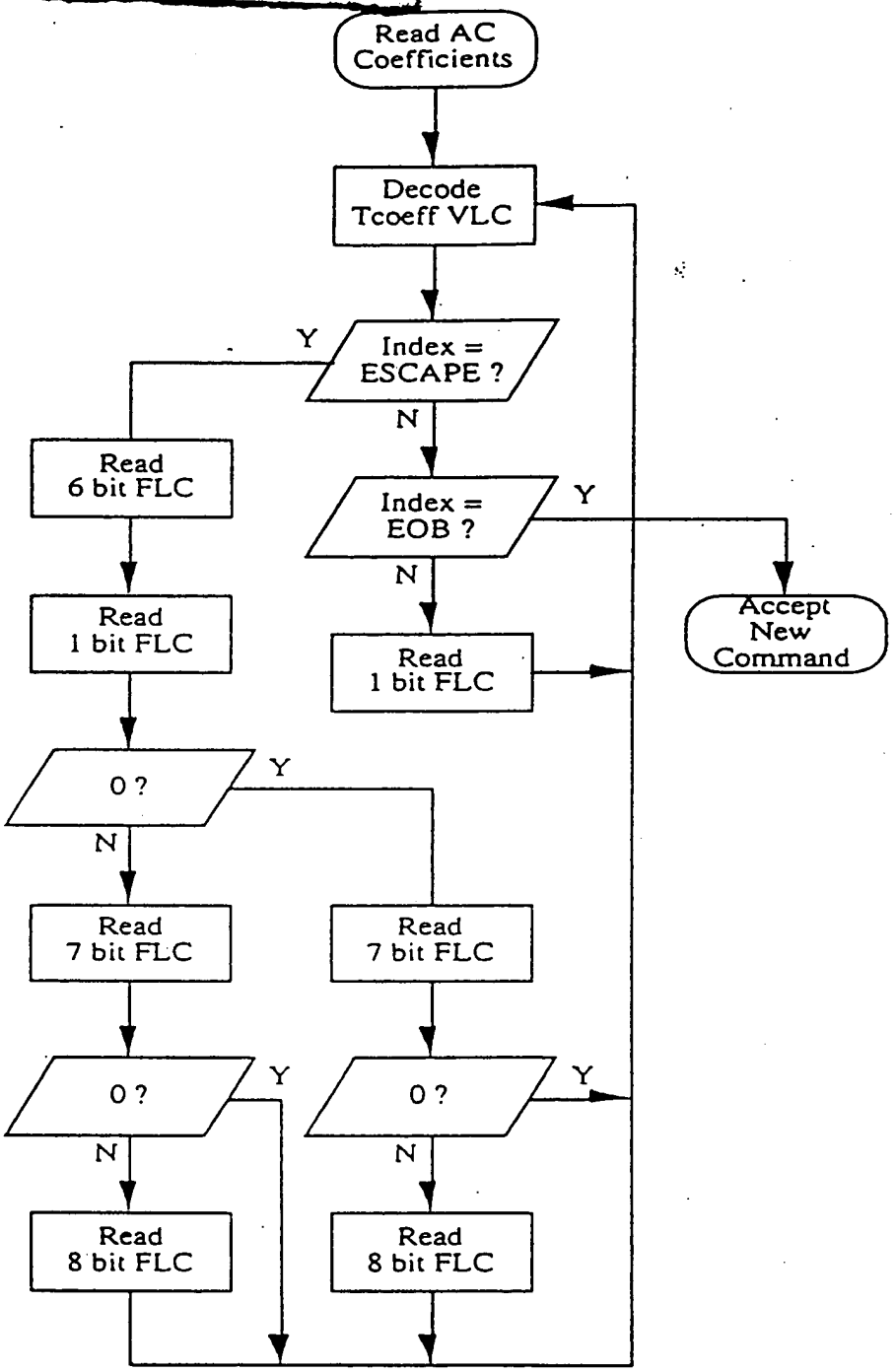


FIG. 119

PRINT OF DRAWINGS
AS ORIGINALLY FILED

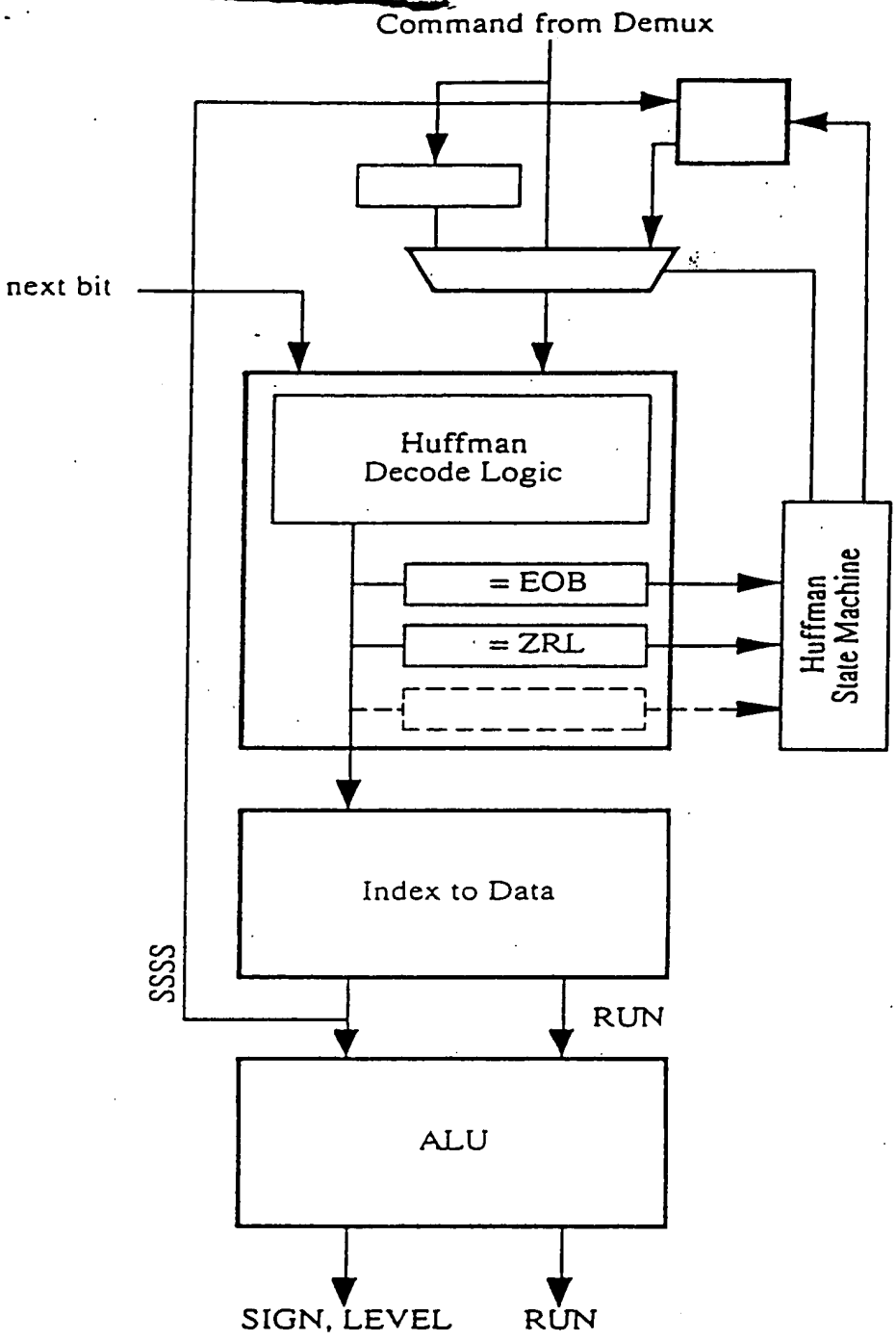


FIG. 120

PRINT OF DRAWINGS
AS ORIGINALLY FILED

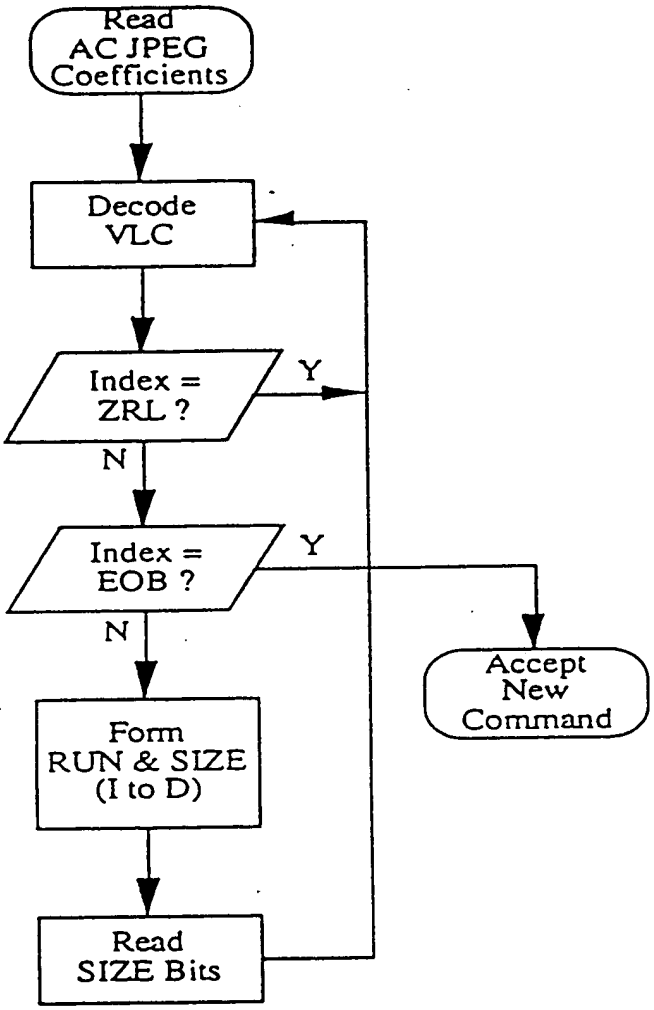


FIG. 121A

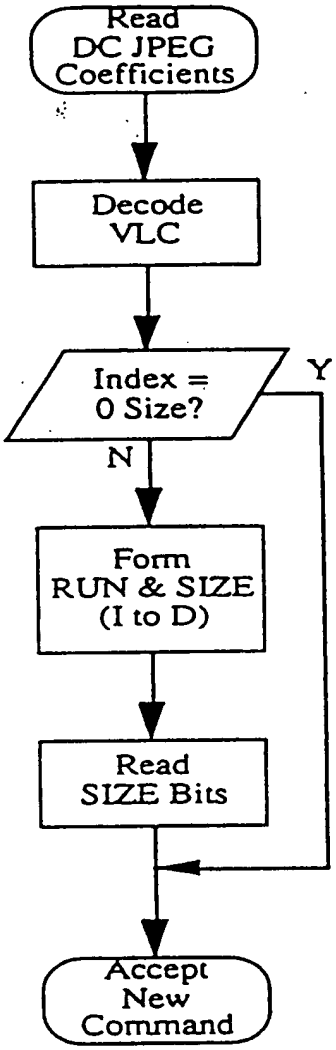


FIG. 121B

PRINT OF DRAWINGS
AS ORIGINALLY FILED

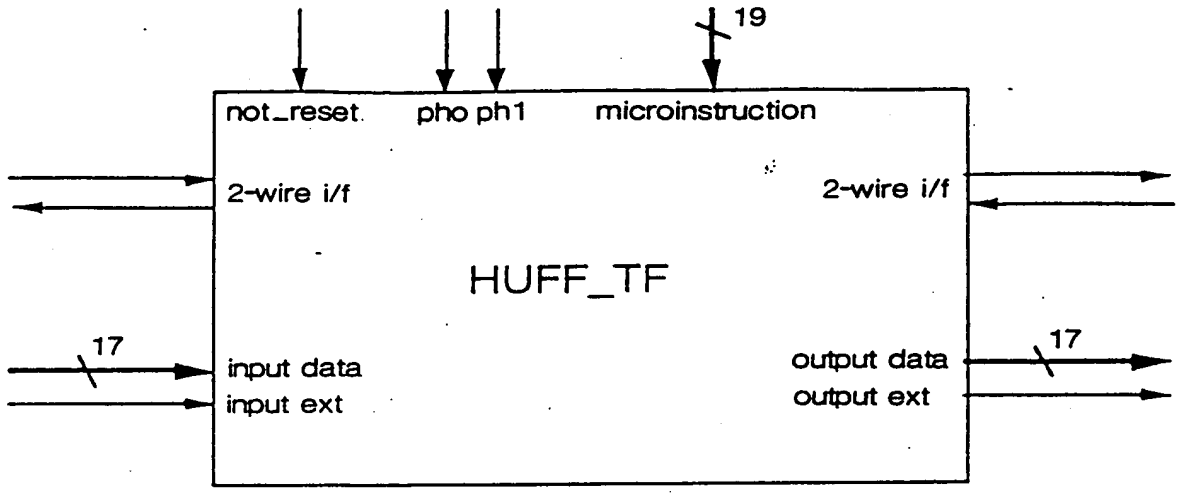


FIG. 122

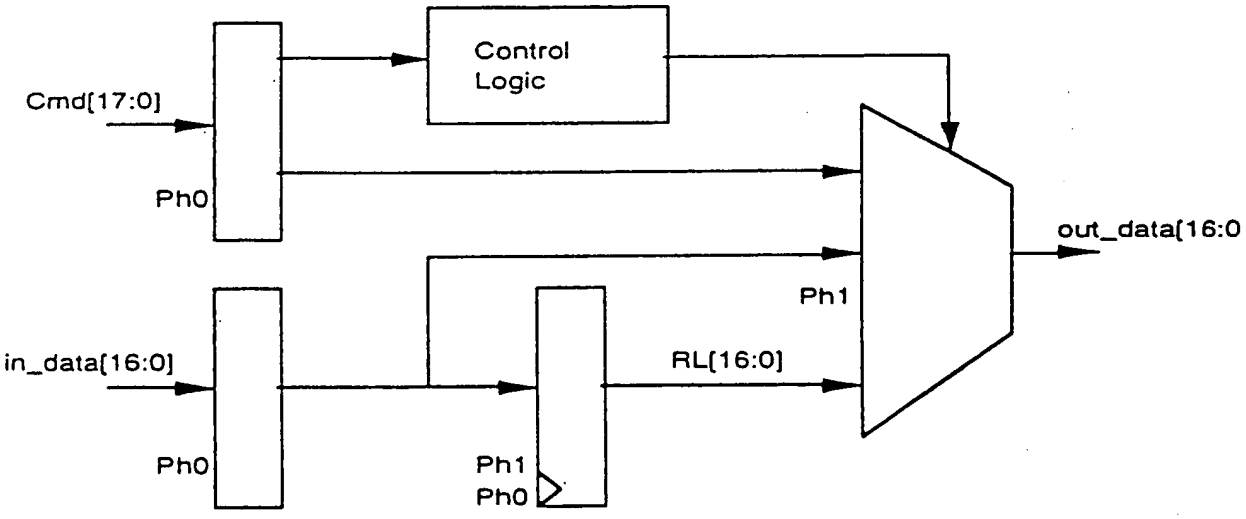


FIG. 123

PRINT OF DRAWINGS
AS ORIGINALLY FILED

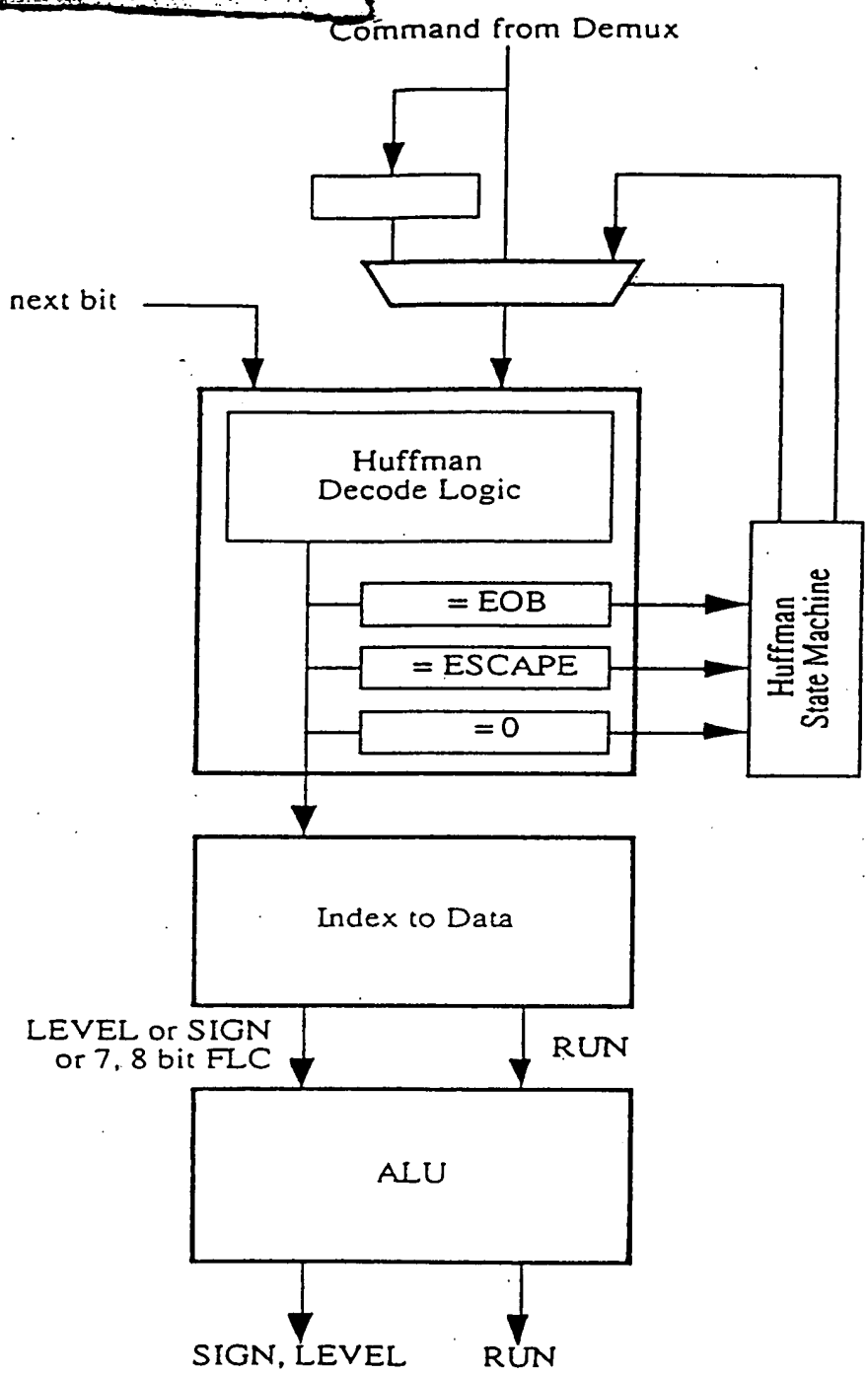


FIG. 124

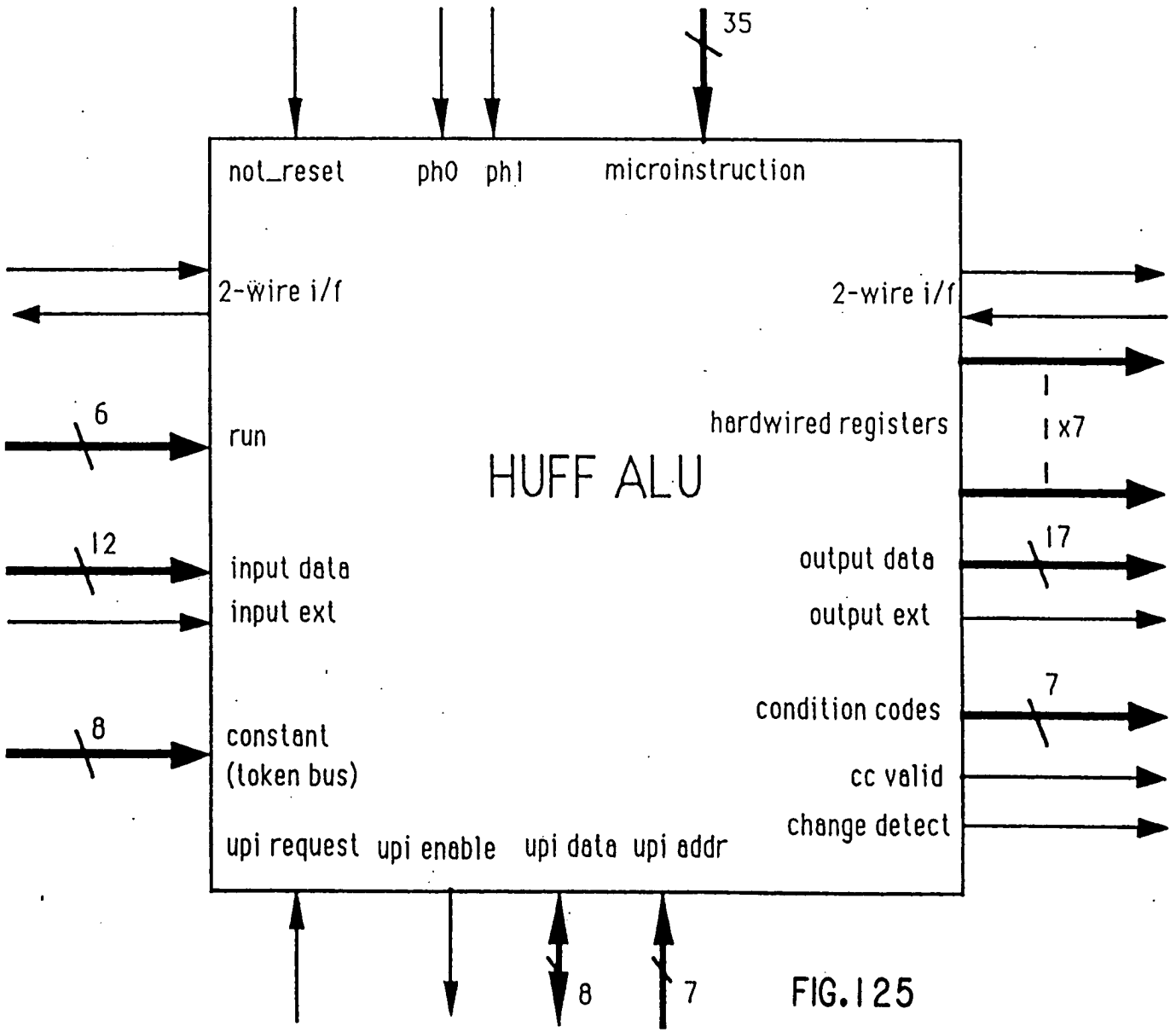


FIG.125

PRINT OF DRAWINGS AS ORIGINALLY FILED

PRINT OF DRAWINGS
AS ORIGINALLY FILED

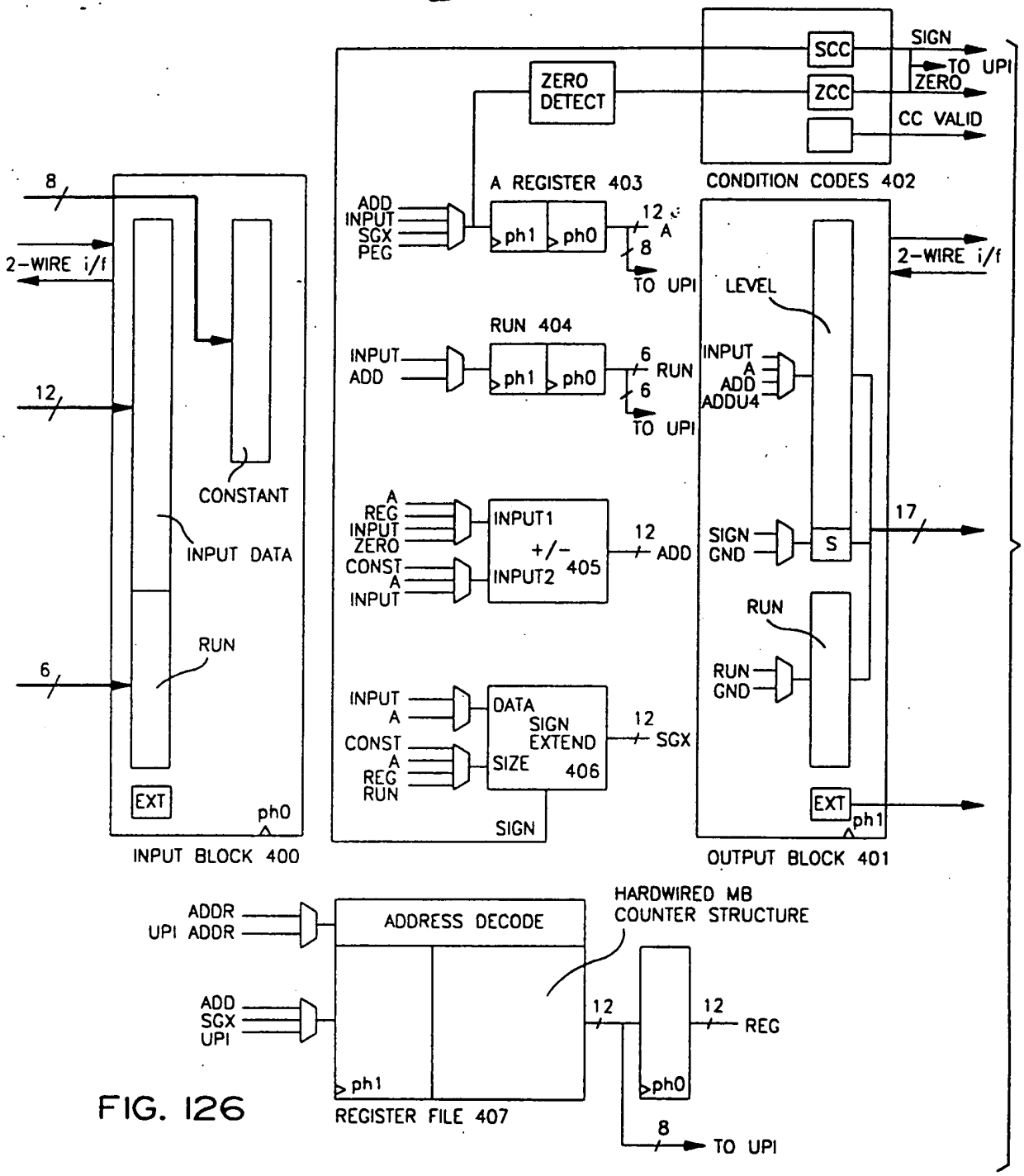


FIG. 126

PRINT OF DRAWINGS
AS ORIGINALLY FILED

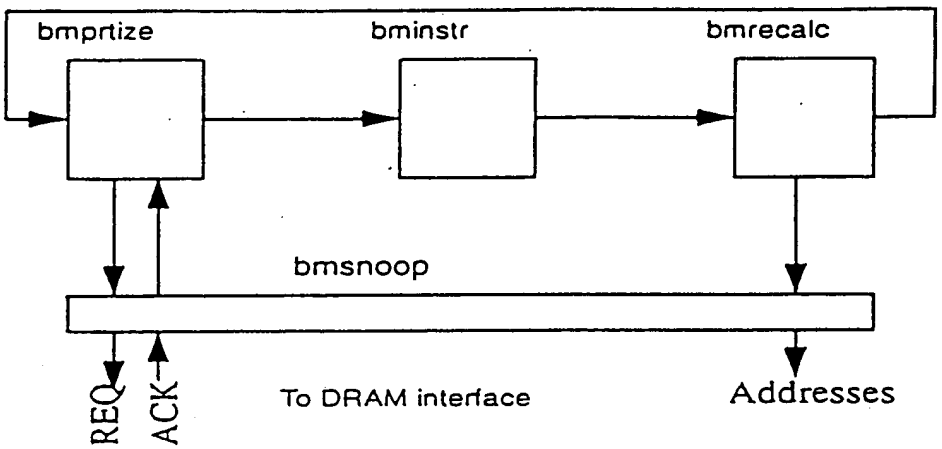


FIG. 127

PRINT OF DRAWINGS
AS ORIGINALLY FILED

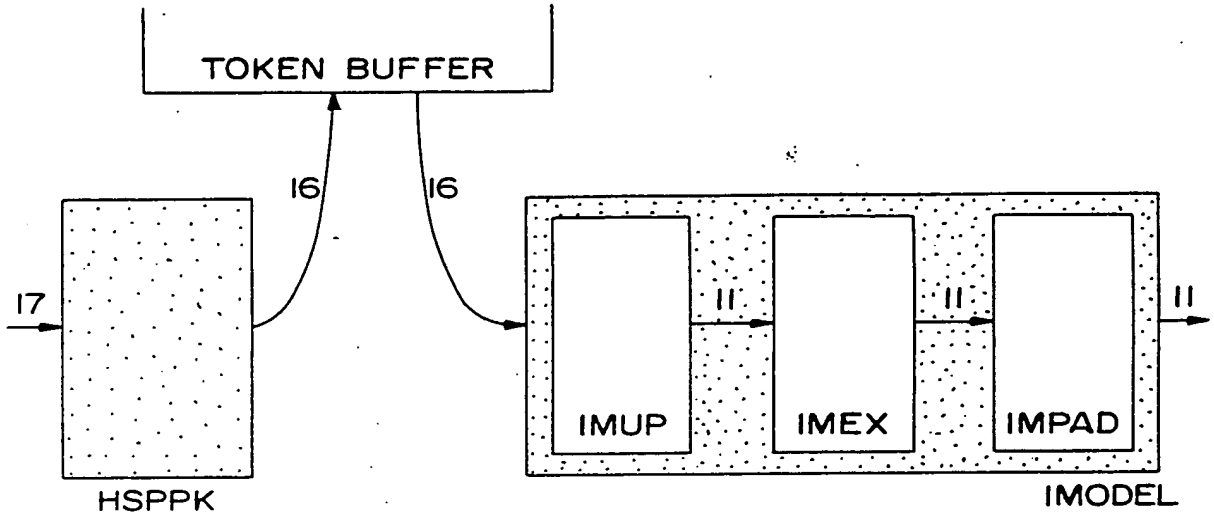


FIG. 128

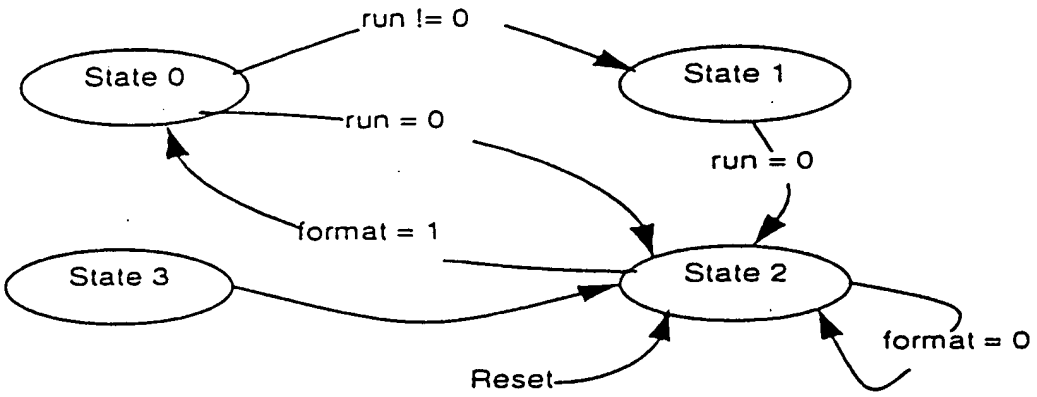


FIG. 129

PRINT OF DRAWINGS
AS ORIGINALLY FILED

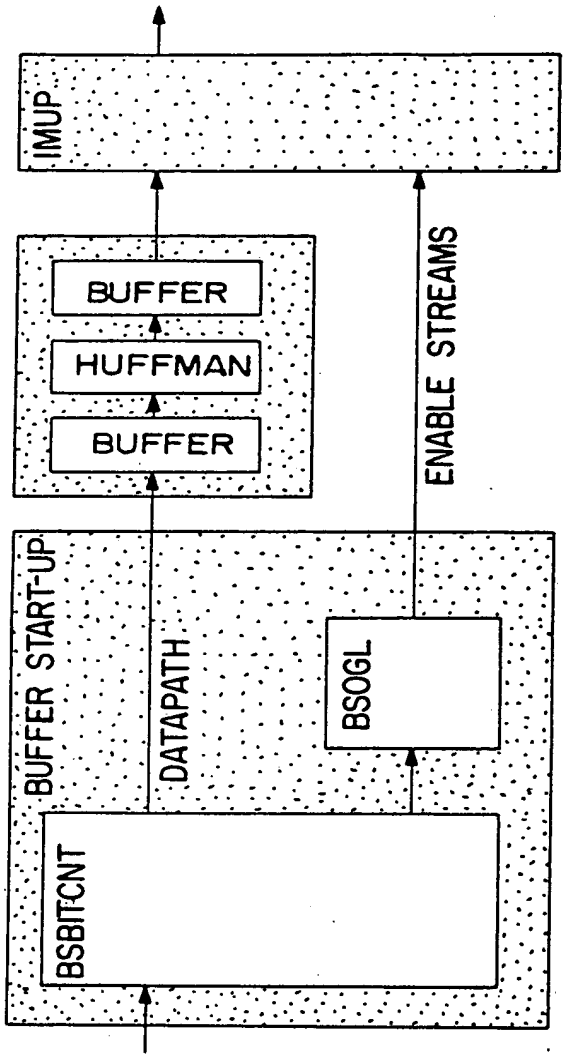


FIG. 130

PRINT OF DRAWINGS
AS ORIGINALLY FILED

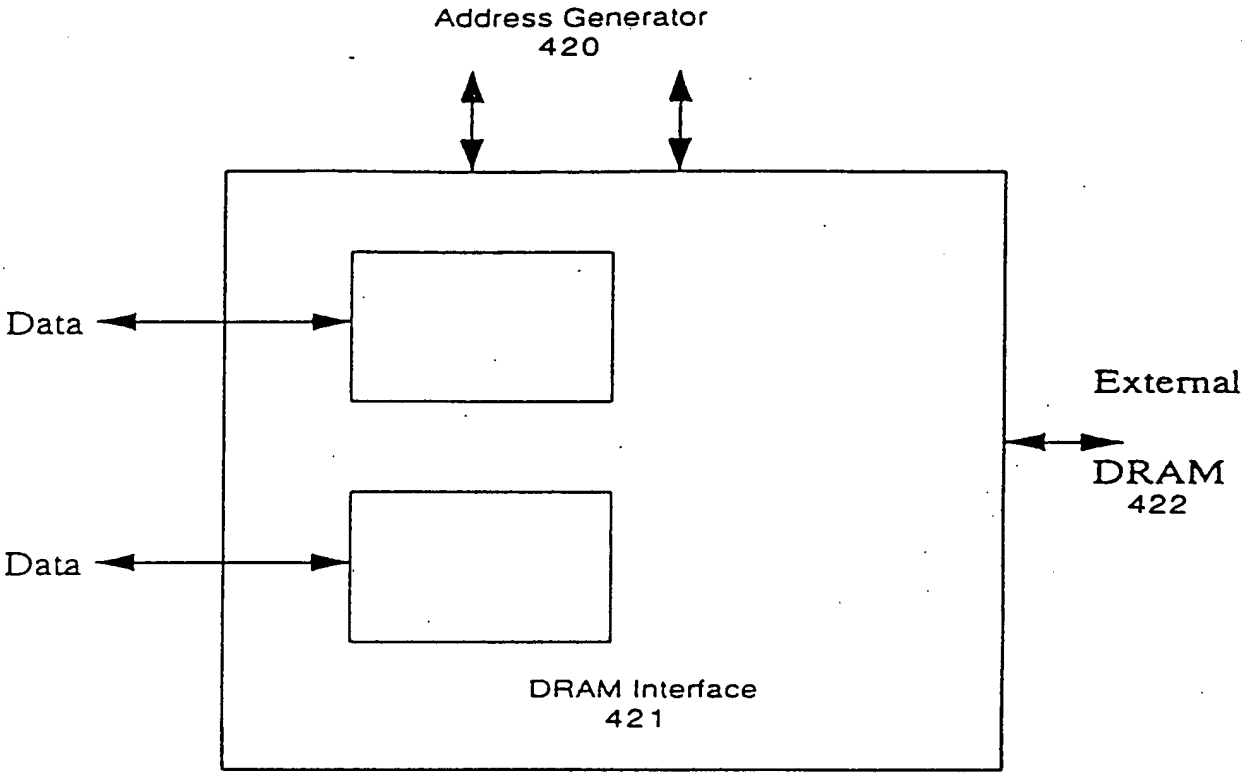


FIG. 131

PRINT OF DRAWINGS
AS ORIGINALLY FILED

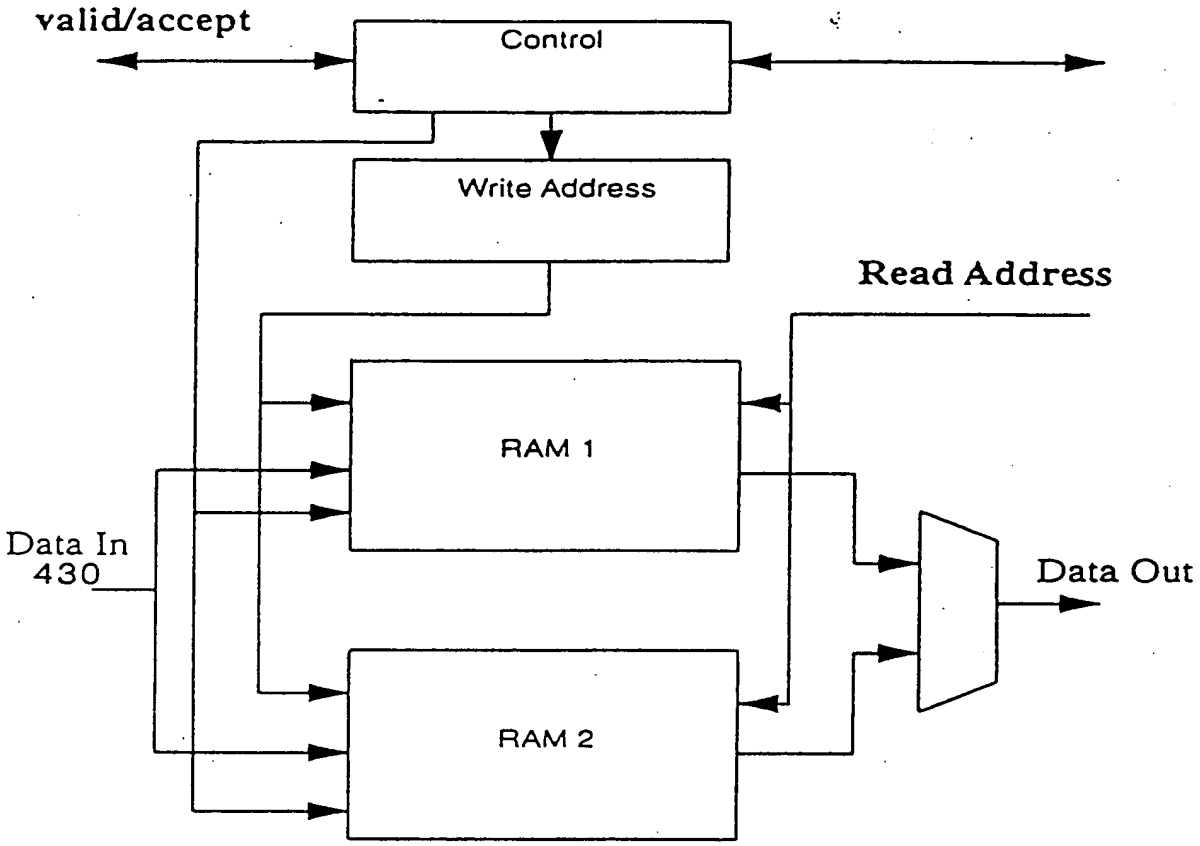


FIG. 132

PRINT OF DRAWINGS
AS ORIGINALLY FILED

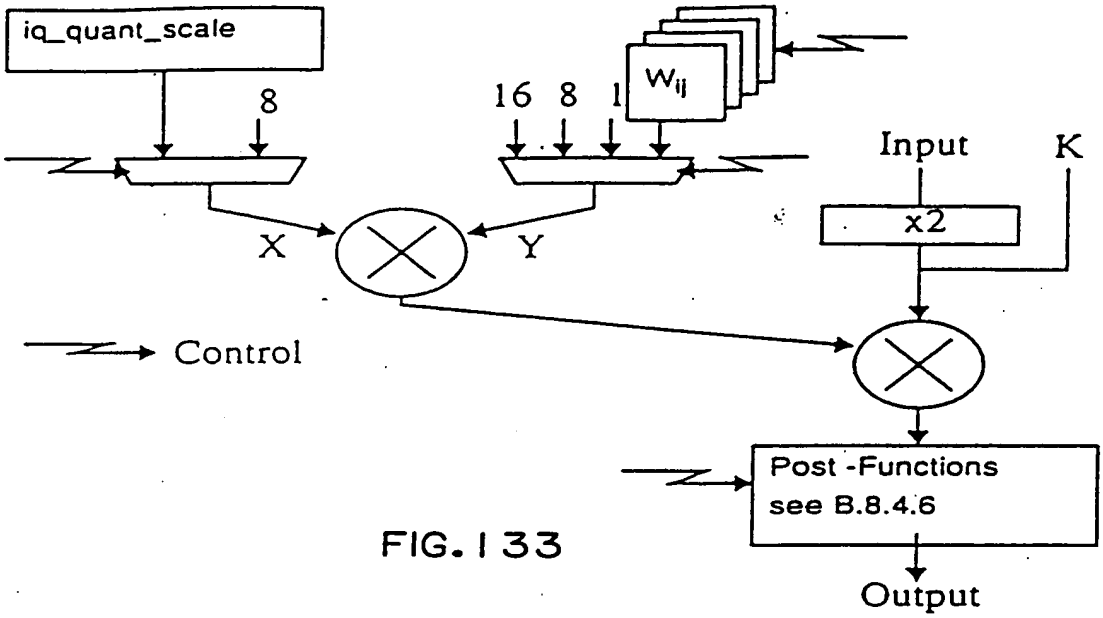


FIG. 133

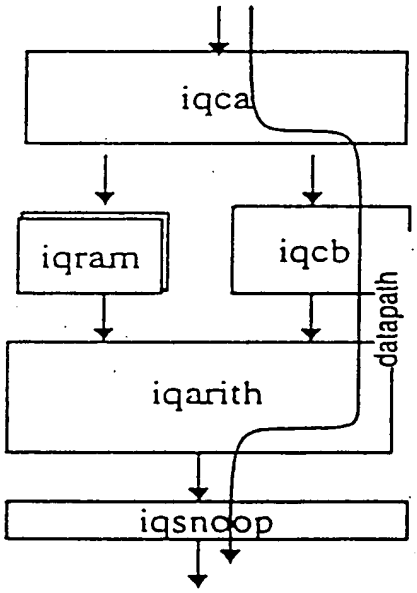


FIG. 134

PRINT OF DRAWINGS
AS ORIGINALLY FILED

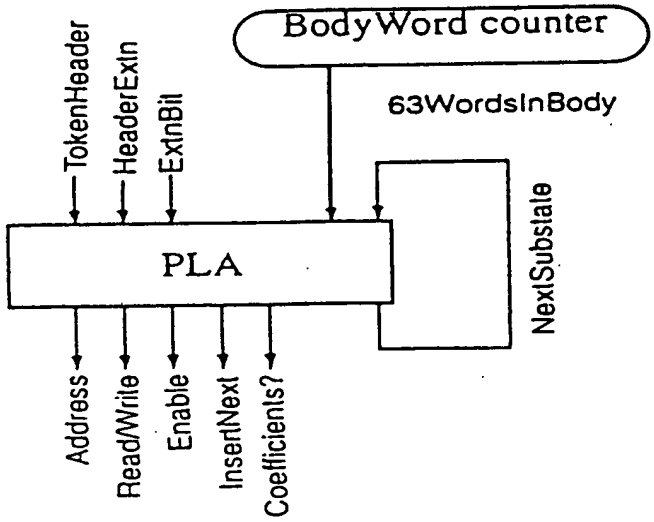


FIG. 135

PRINT OF DRAWINGS
AS ORIGINALLY FILED

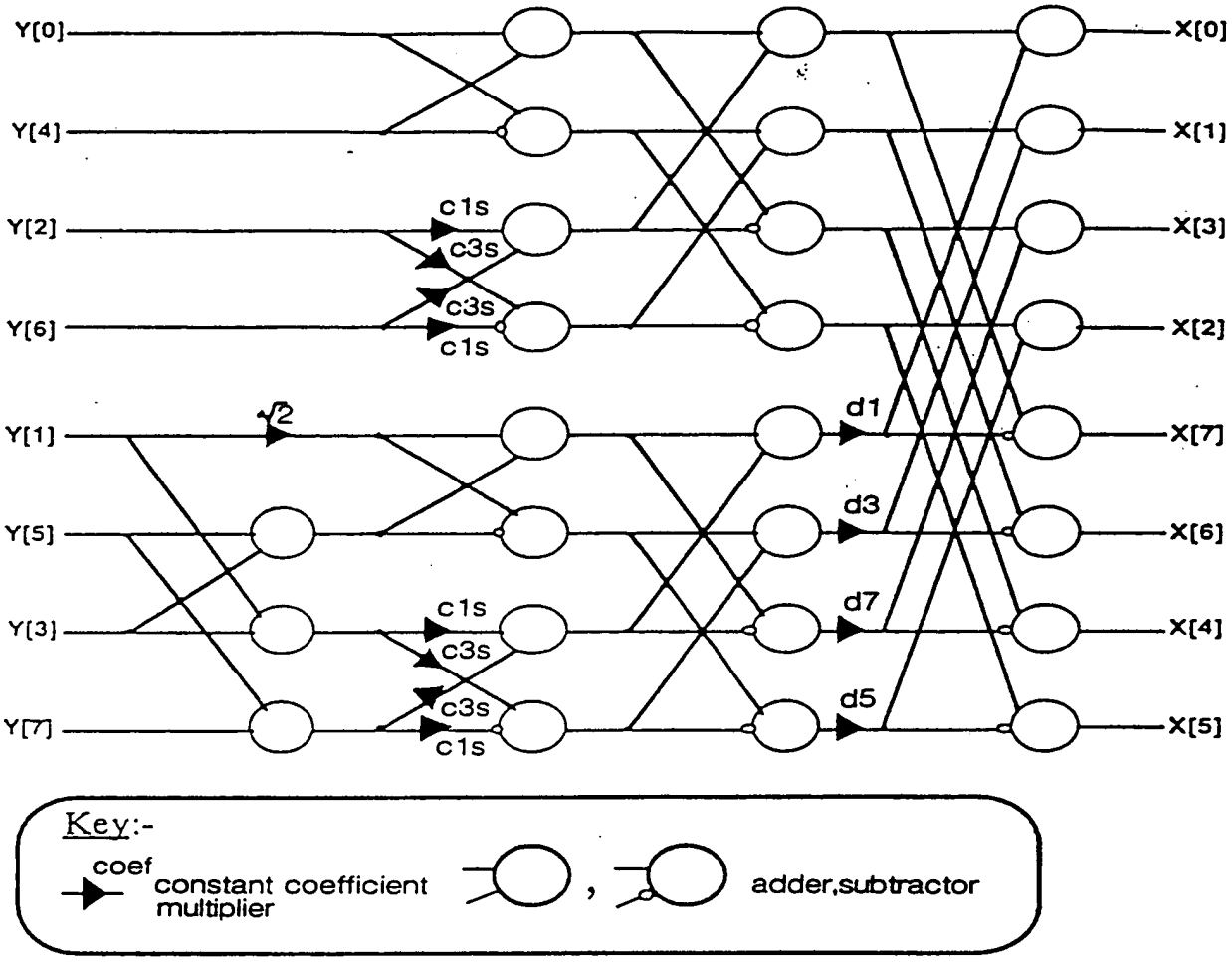


FIG. 136

PRINT OF DRAWINGS
AS ORIGINALLY FILED

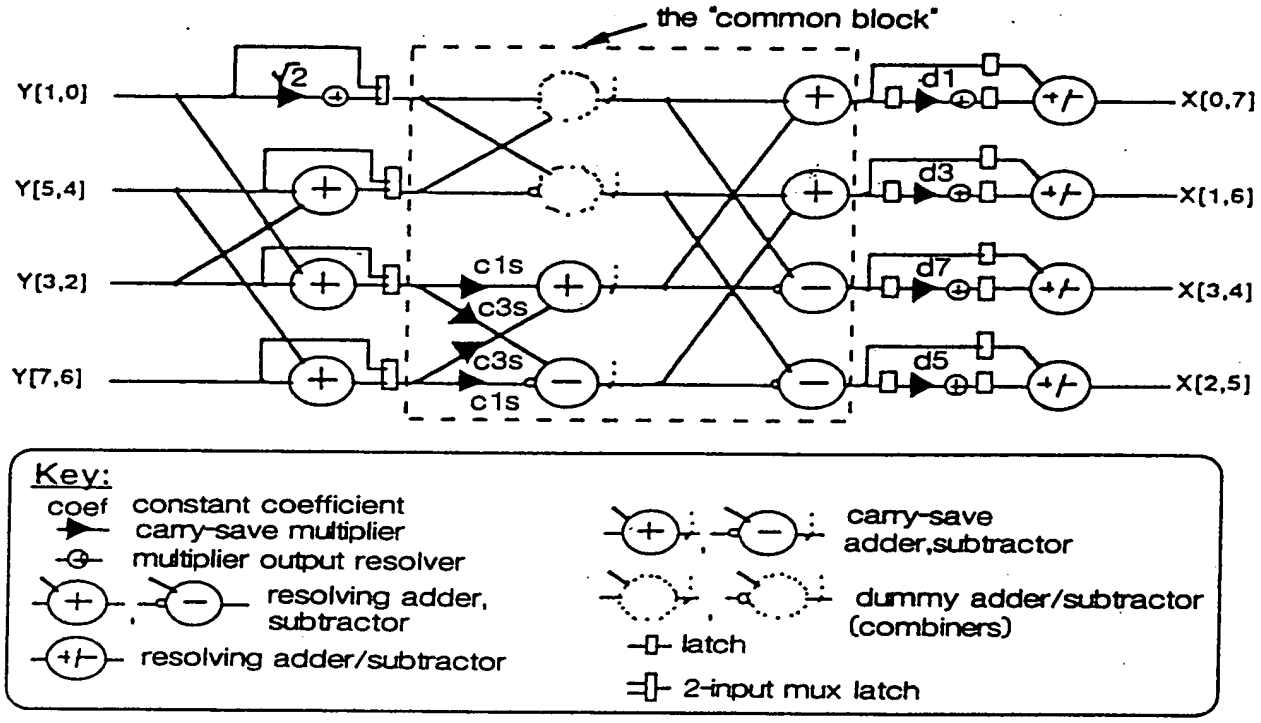


FIG. 137

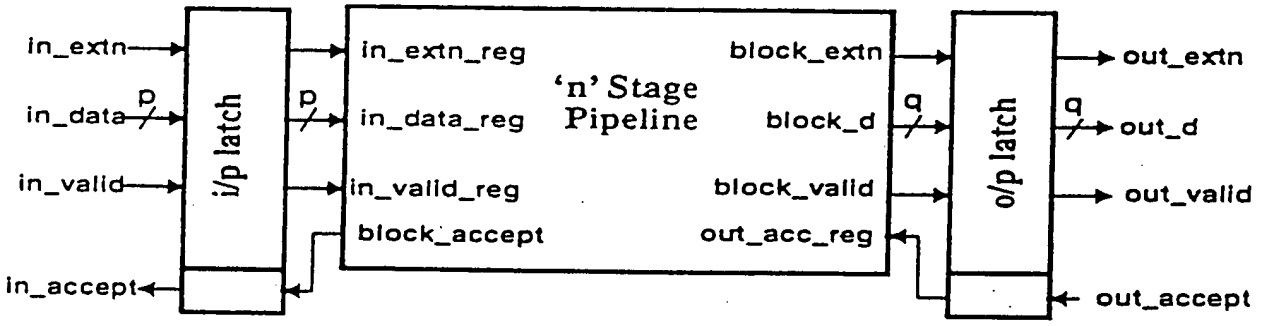


FIG. 138

PRINT OF DRAWINGS
AS ORIGINALLY FILED

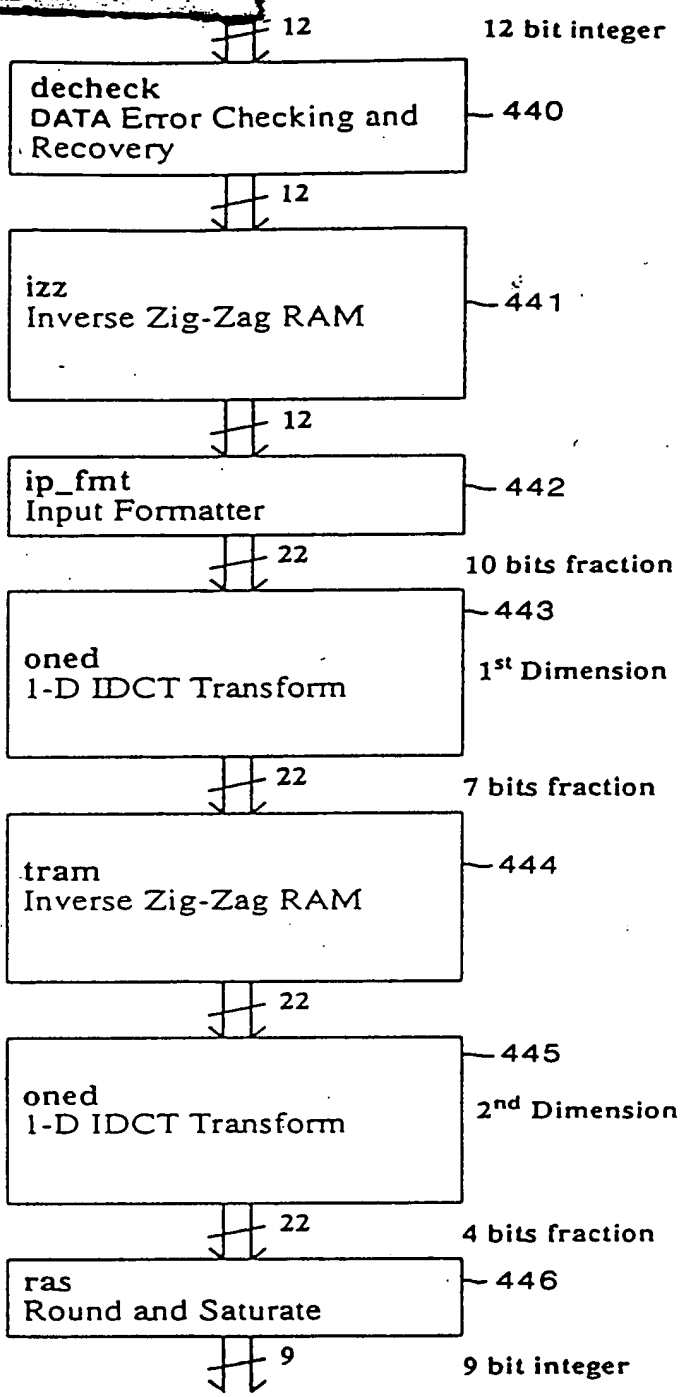


FIG. 139

PRINT OF DRAWINGS
AS ORIGINALLY FILED

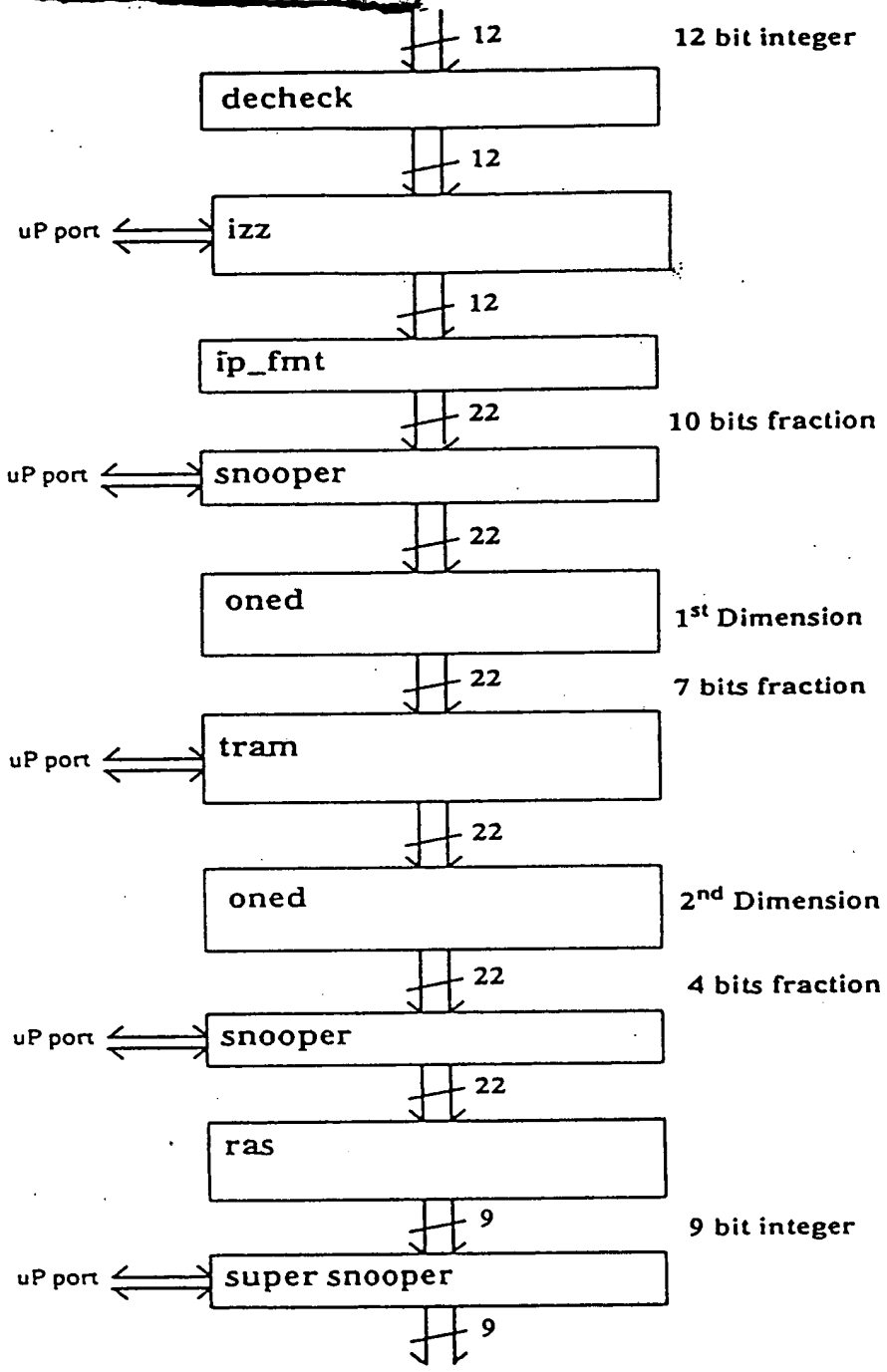
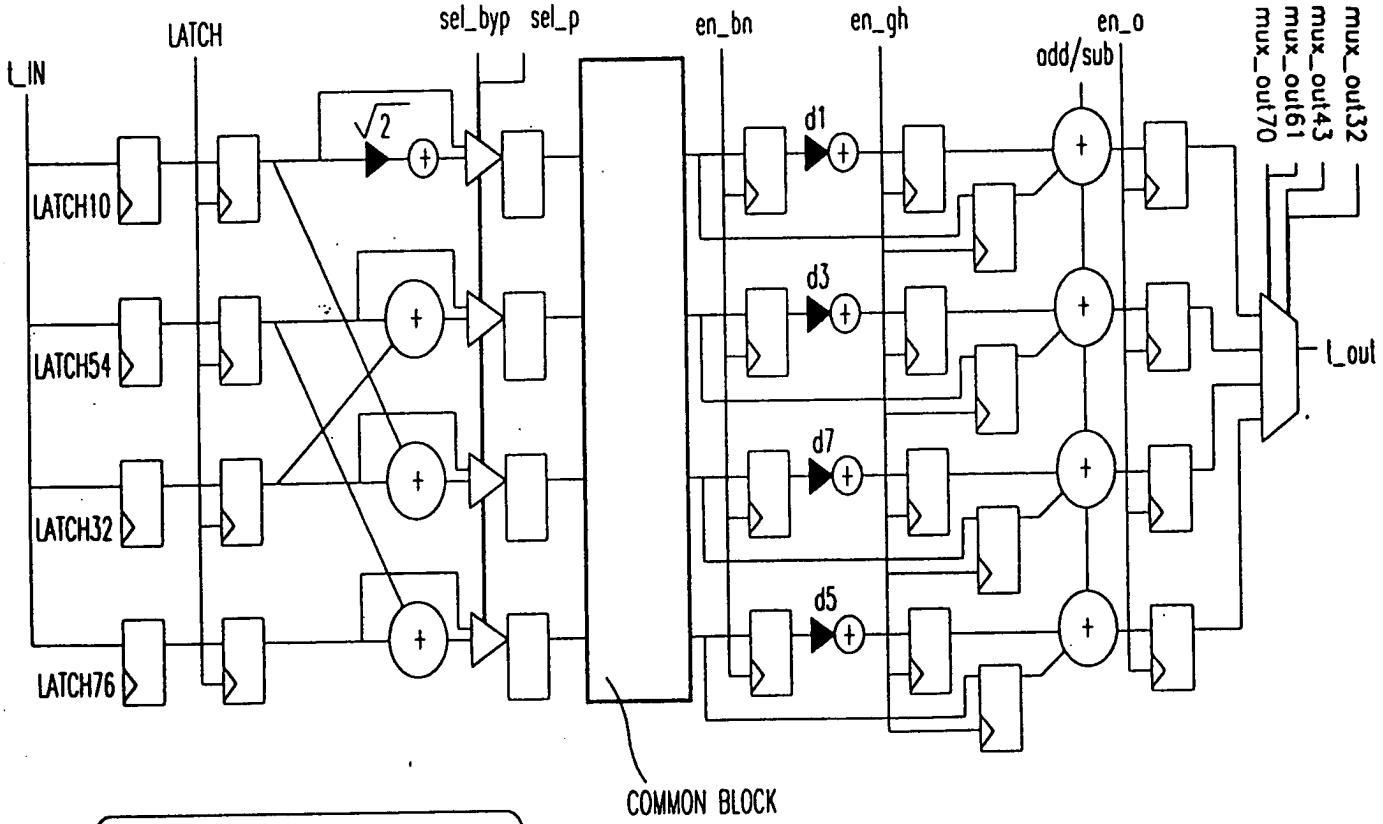
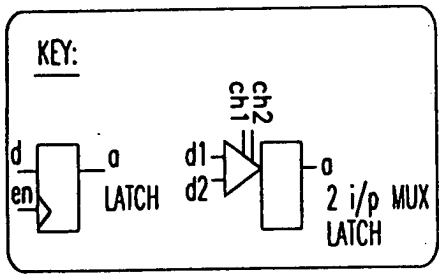


FIG. 140

PRINT OF DRAWINGS
AS ORIGINALLY FILED





NOTE: "COMMON BLOCK" IS ENTIRELY COMBINATIONAL (NO LATCHING)

FIG. 141

PRINT OF DRAWINGS
AS ORIGINALLY FILED

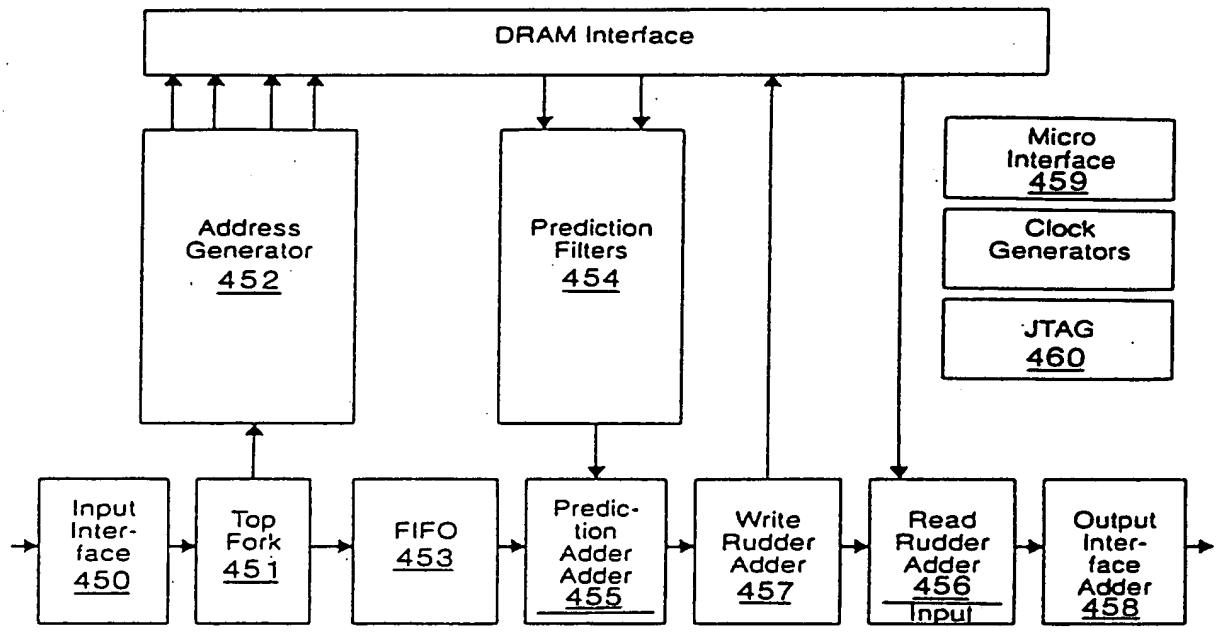


FIG. 142

PRINT OF DRAWINGS
AS ORIGINALLY FILED

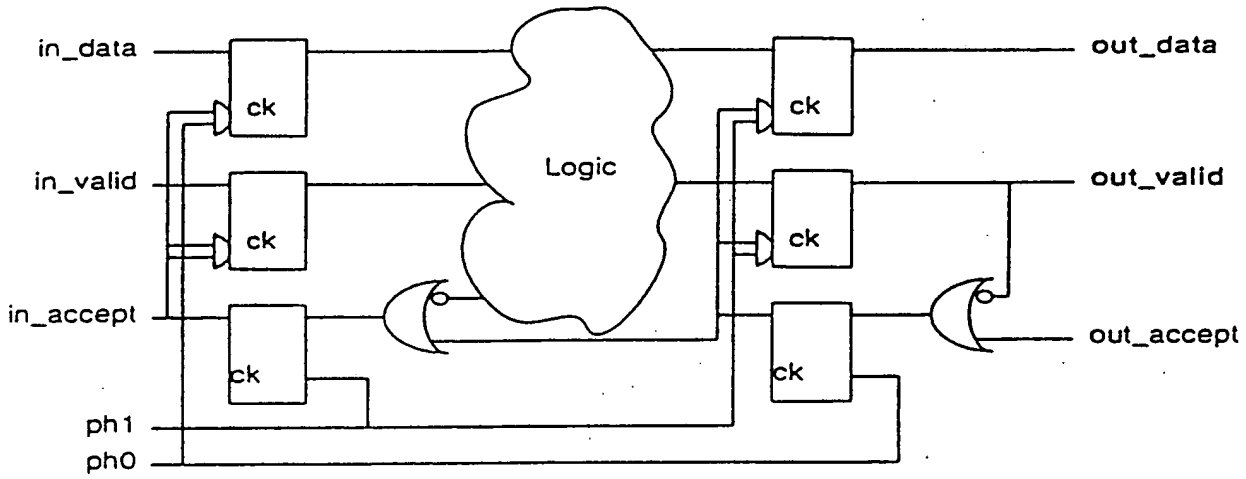


FIG. 143

PRINT OF DRAWINGS
AS ORIGINALLY FILED

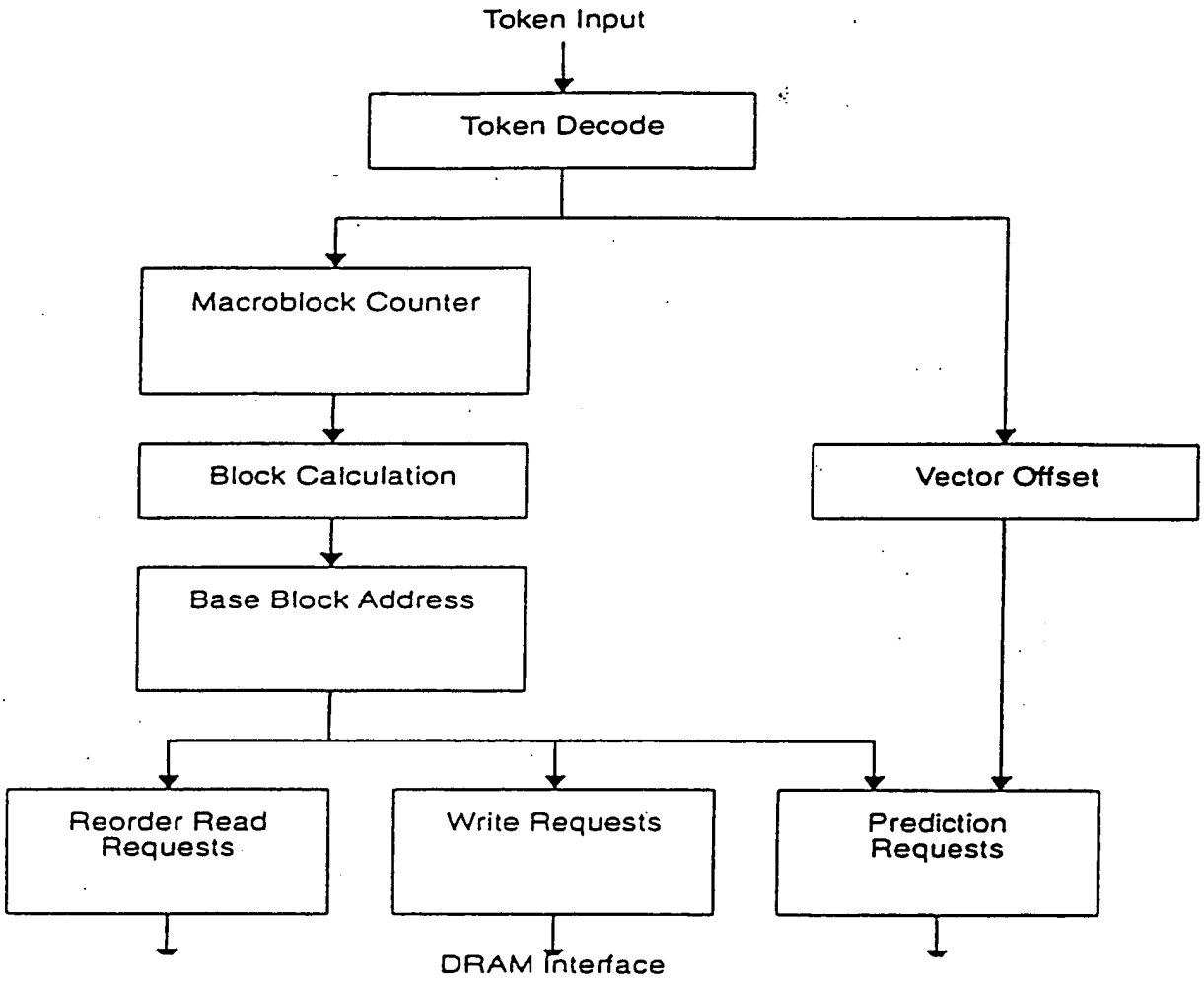


FIG. 144

PRINT OF DRAWINGS
AS ORIGINALLY FILED

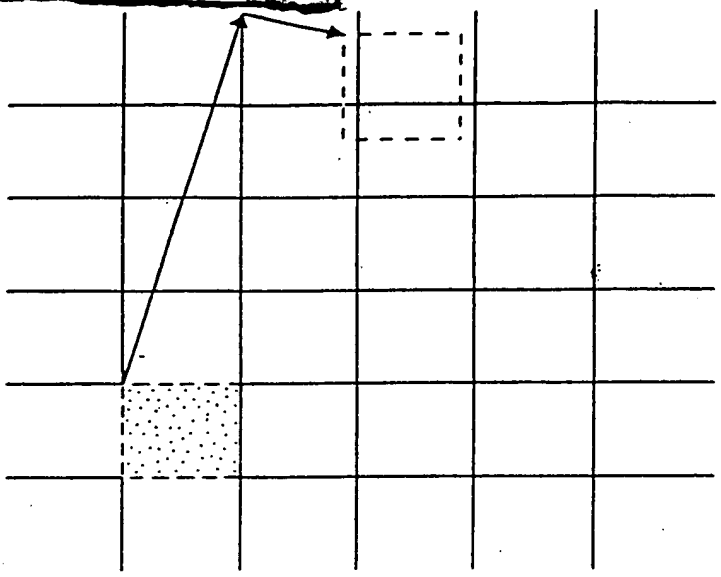


FIG. 145

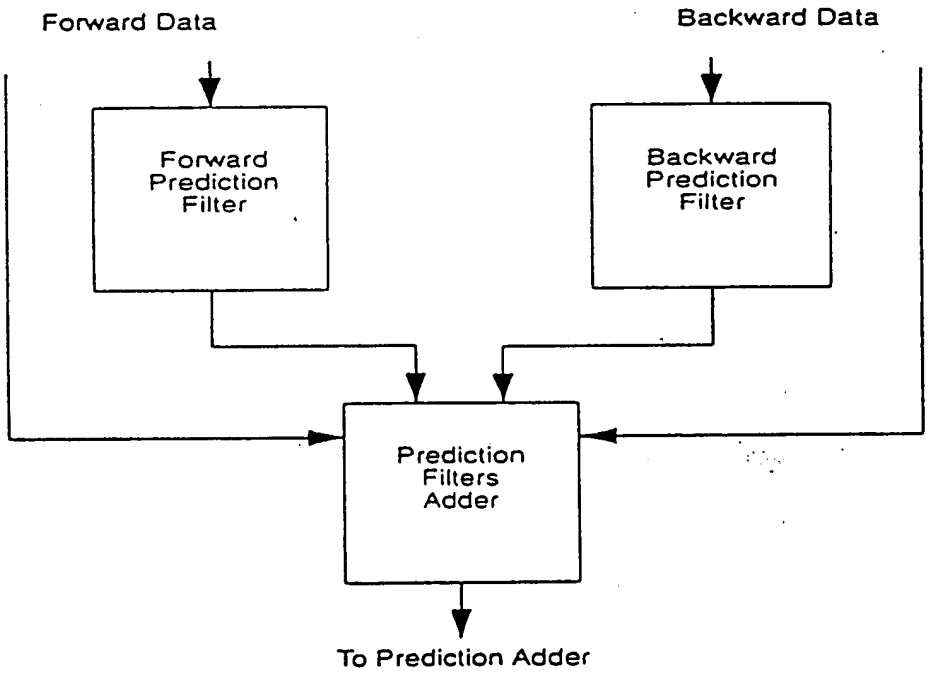


FIG. 146

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EP 0 627 693 A2

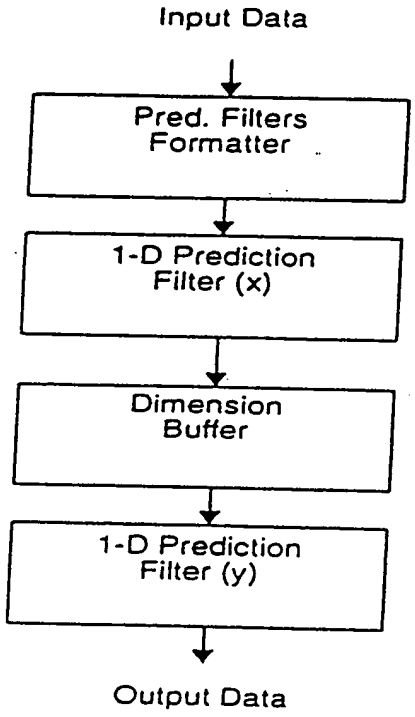


FIG. 147

PRINT OF DRAWINGS
AS ORIGINALLY FILED

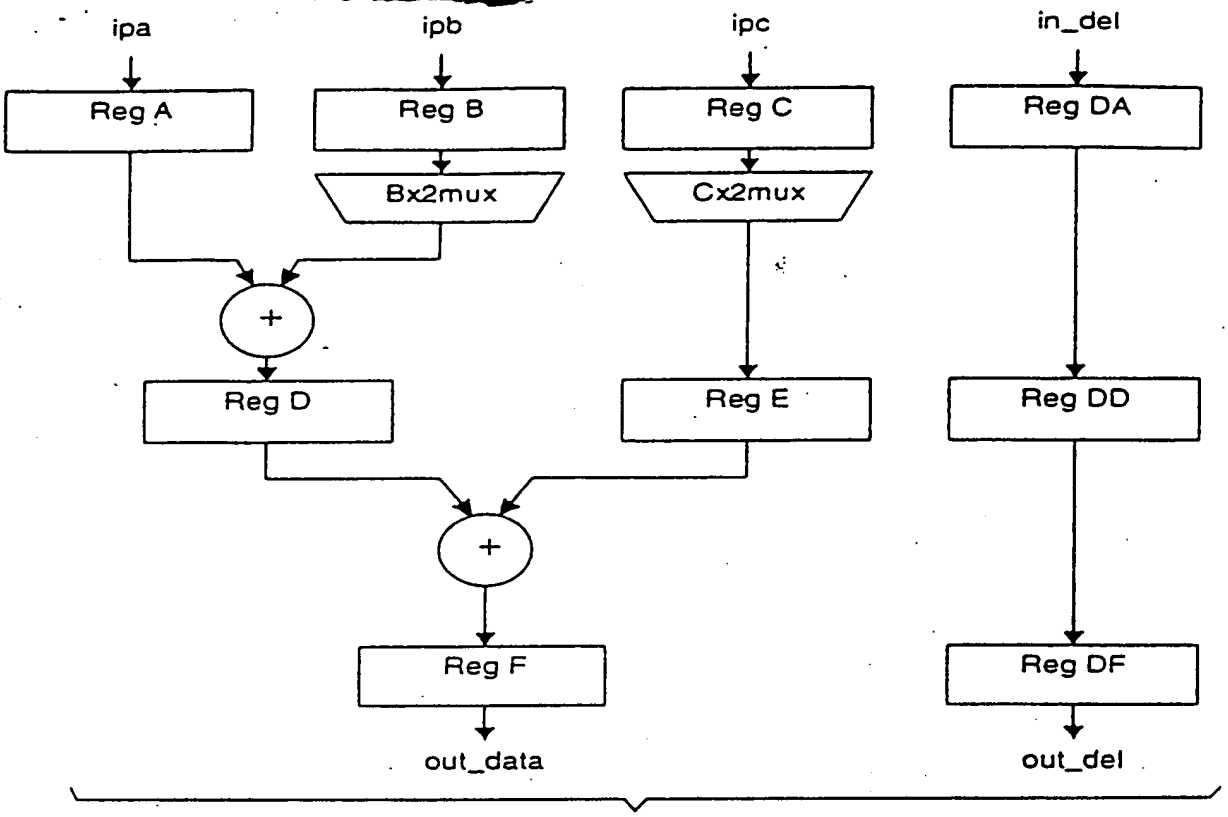


FIG. 148

0	1	2	3	4	5	6	7
8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23
24	25	26	27	28	29	30	31
32	33	34	35	36	37	38	39
40	41	42	43	44	45	46	47
48	49	50	51	52	53	54	55
56	57	58	59	60	61	62	63

FIG. 149

PRINT OF DRAWINGS
AS ORIGINALLY FILED

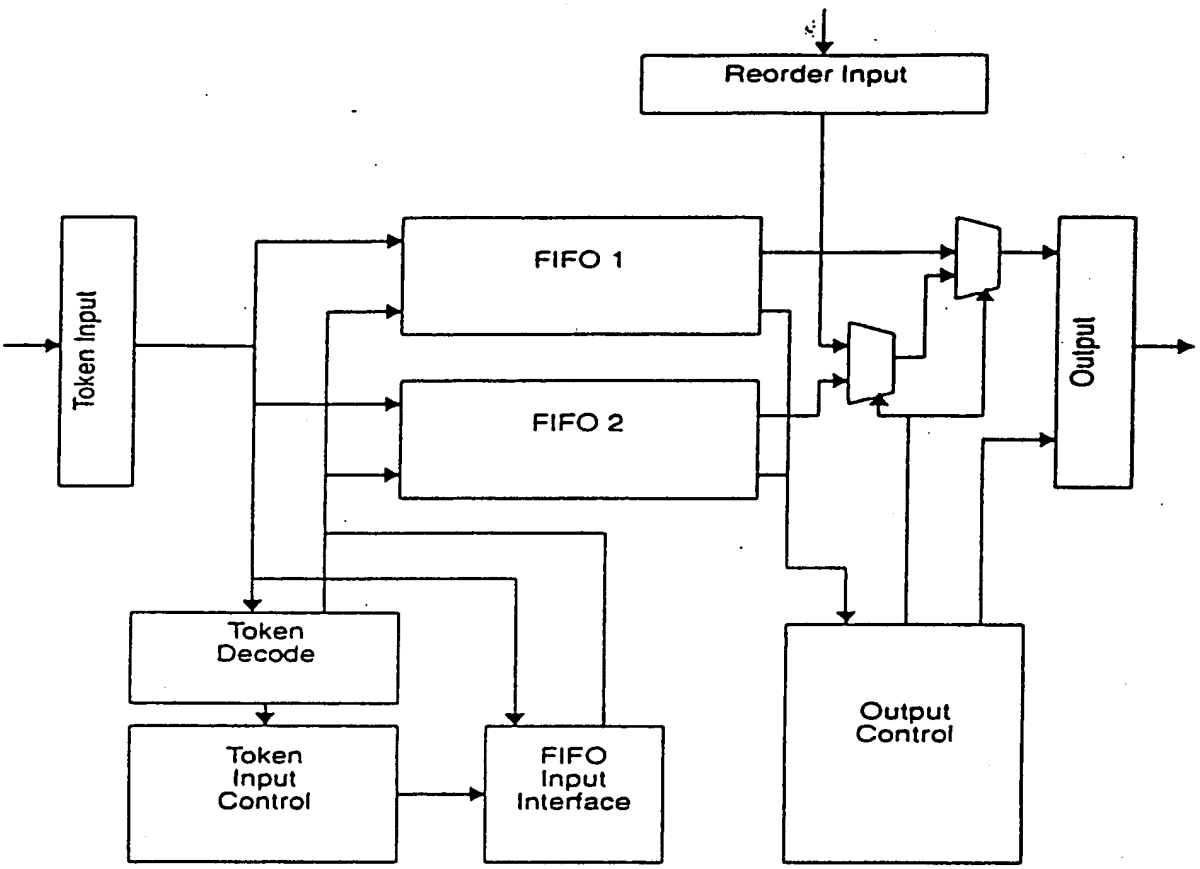


FIG. 150

PRINT OF DRAWINGS
AS ORIGINALLY FILED

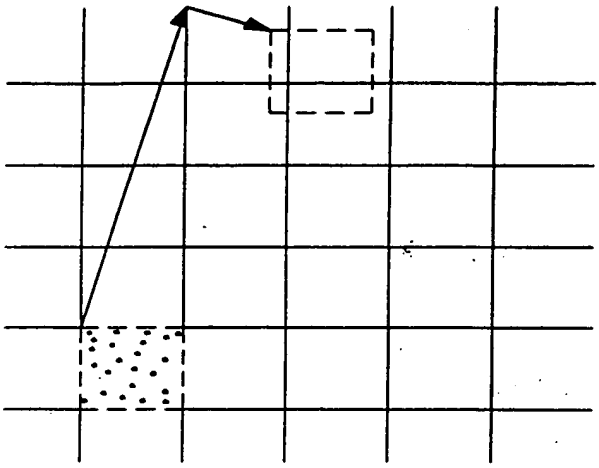


FIG. 151

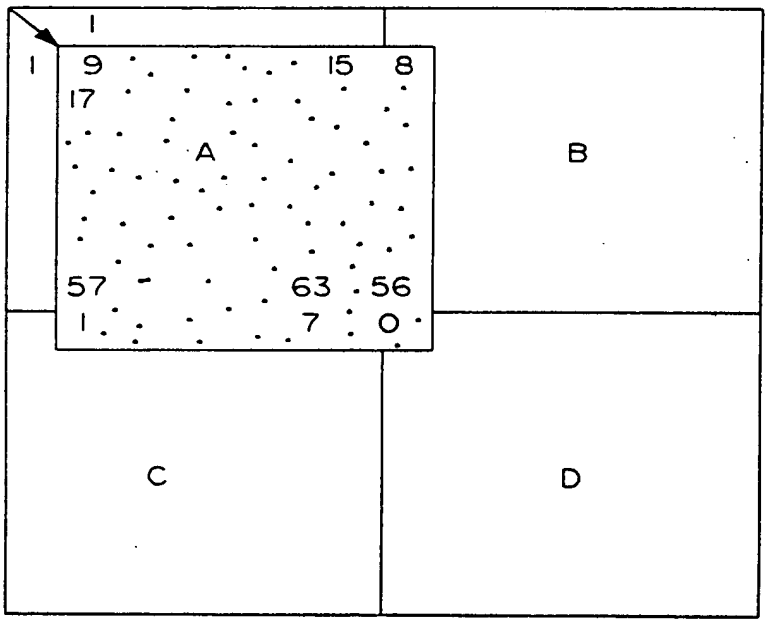


FIG. 152

PRINT OF DRAWINGS
AS ORIGINALLY FILED

EUROPEAN PATENT APPLICATION

Read Cycle

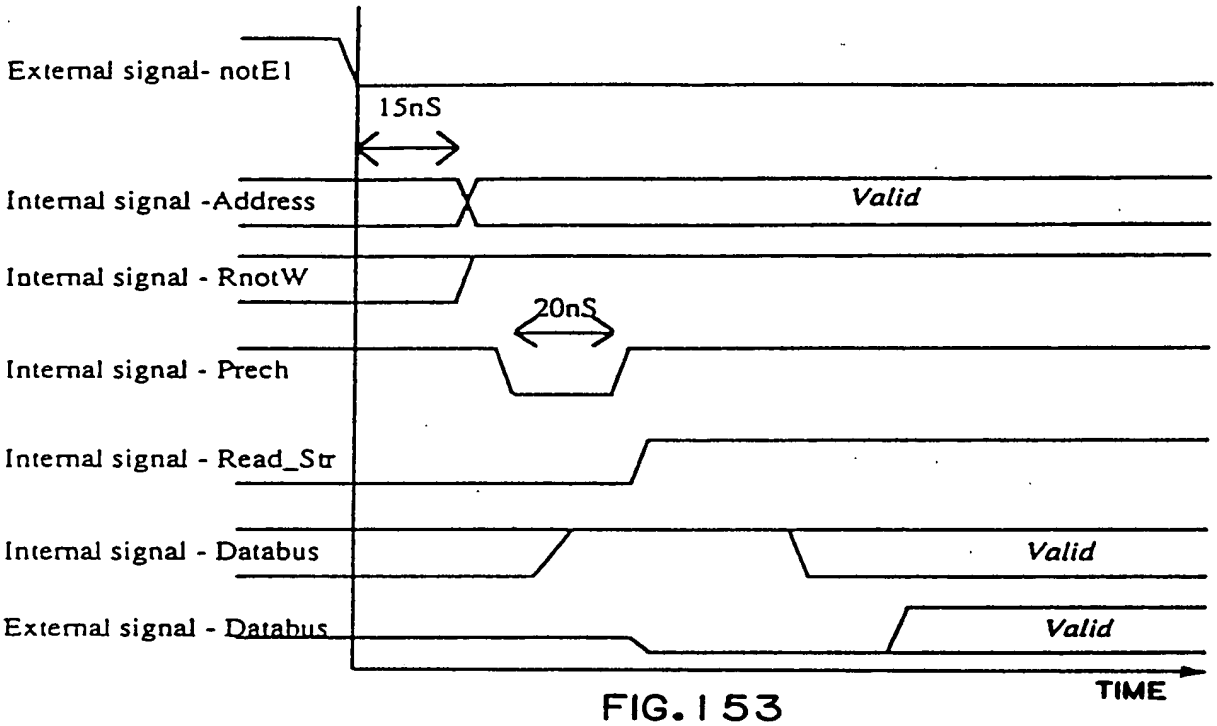


FIG. 153

PRINT OF DRAWINGS
AS ORIGINALLY FILED

09/27/2001 15:03:27 "09274001" 2503 1

Write Cycle

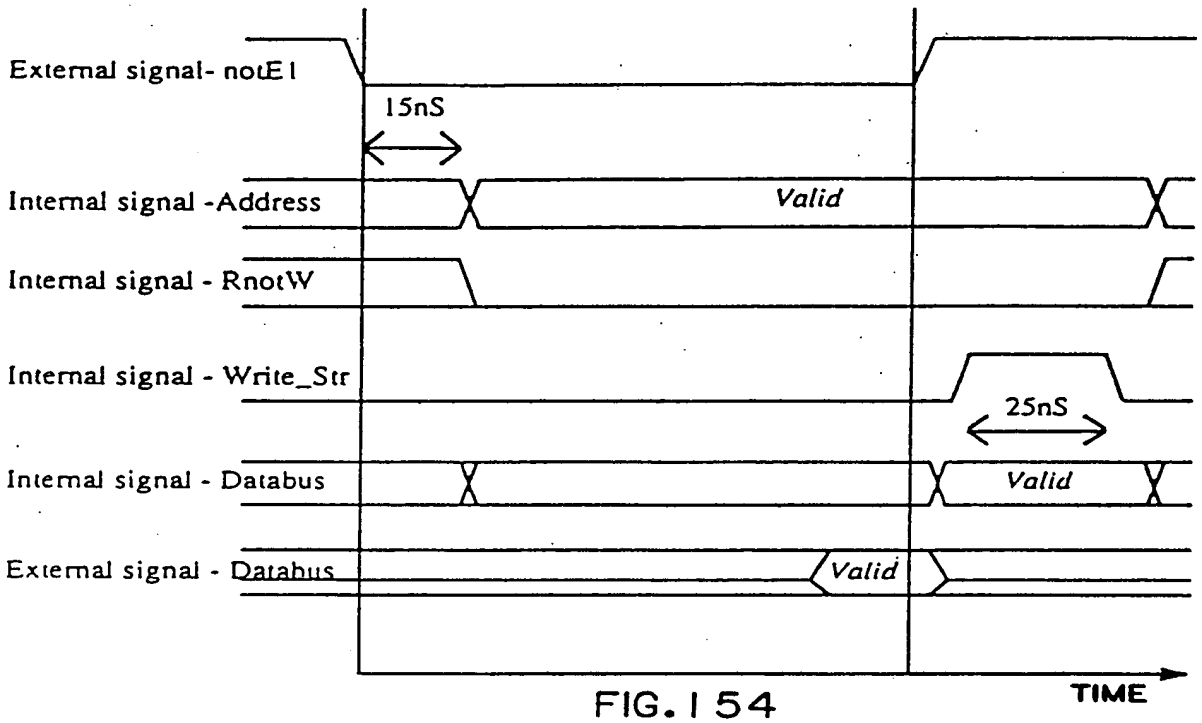


FIG. 154

PRINT OF DRAWINGS AS ORIGINALLY FILED

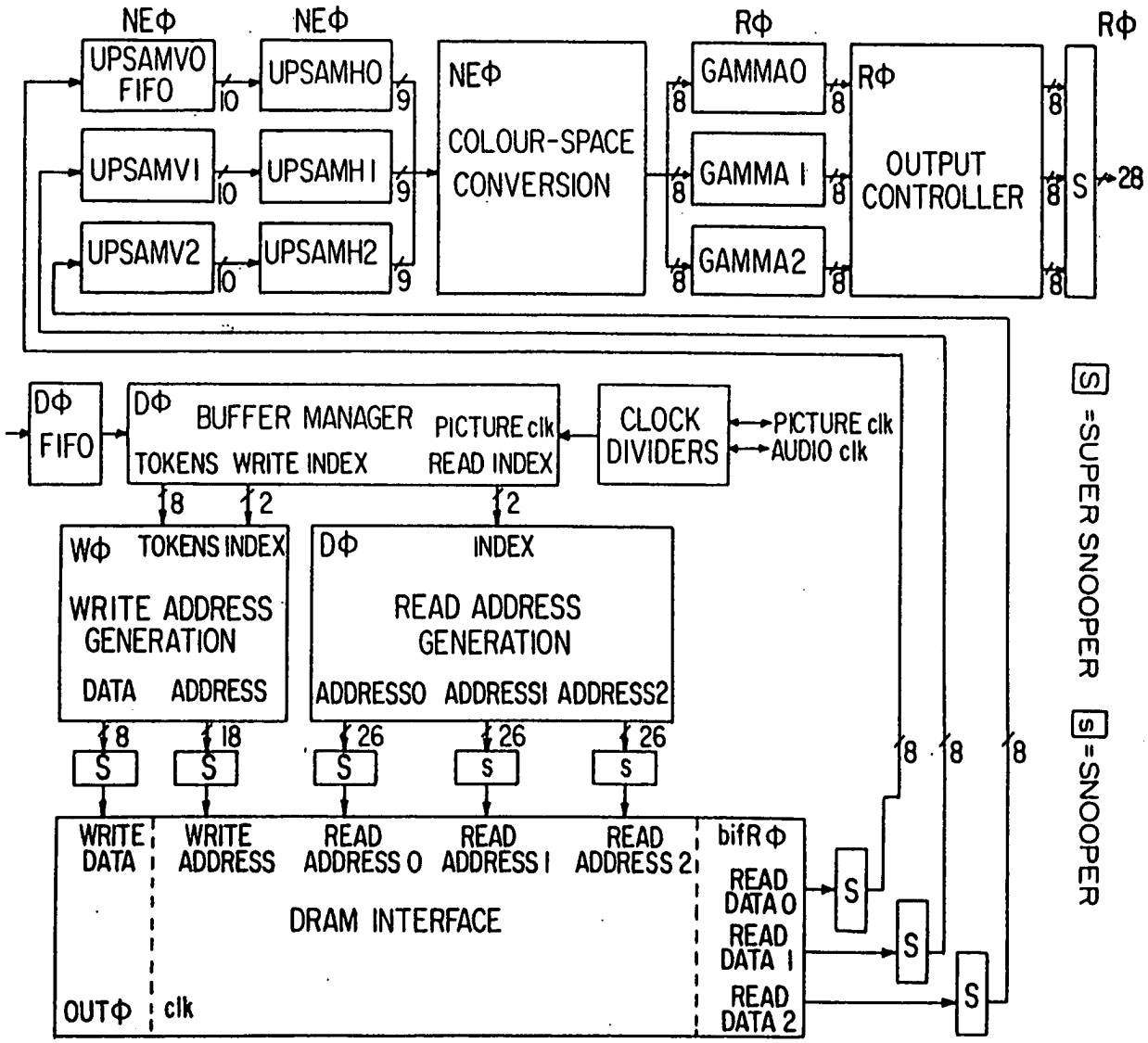


FIG.155

PRINT OF DRAWINGS
AS ORIGINALLY FILED

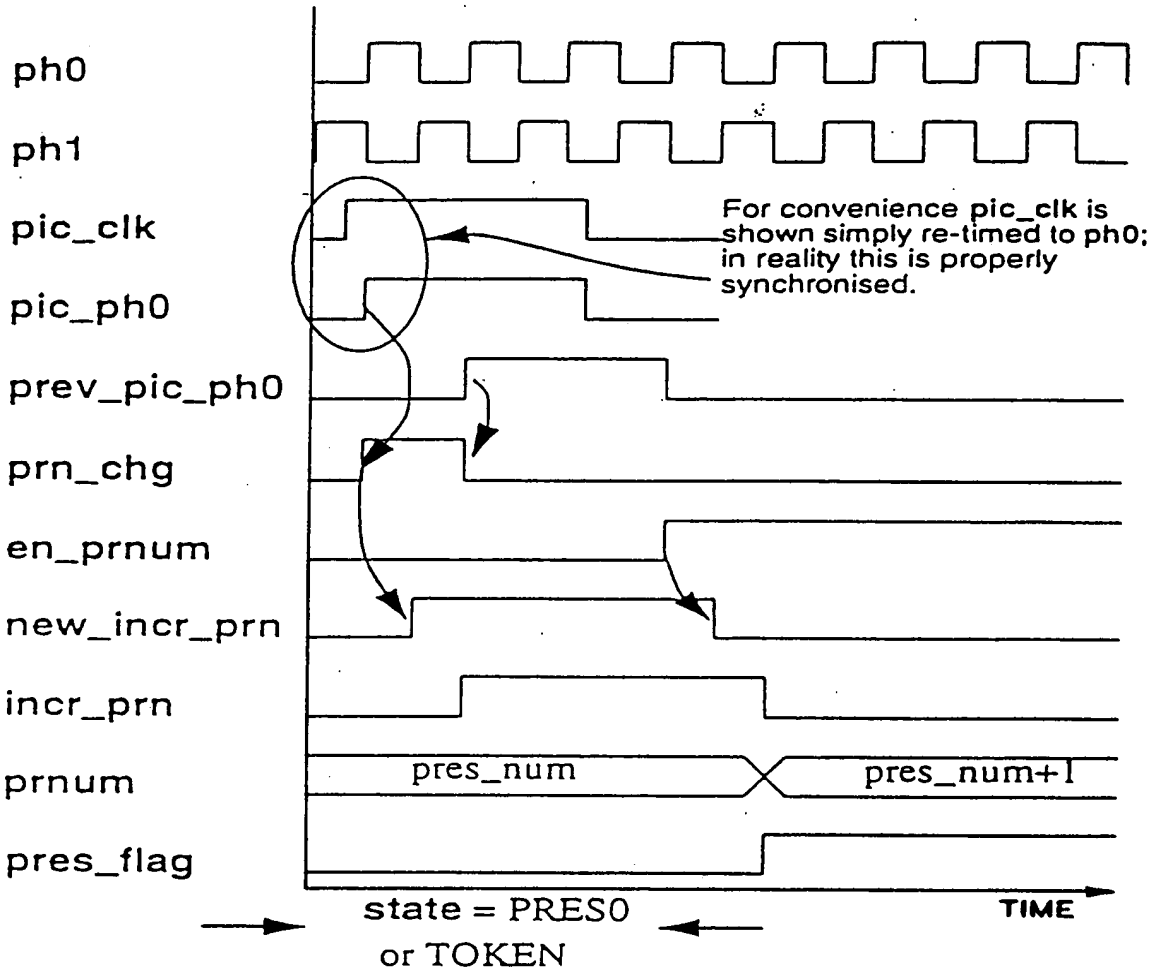


FIG. 156

PRINT OF DRAWINGS AS ORIGINALLY FILED

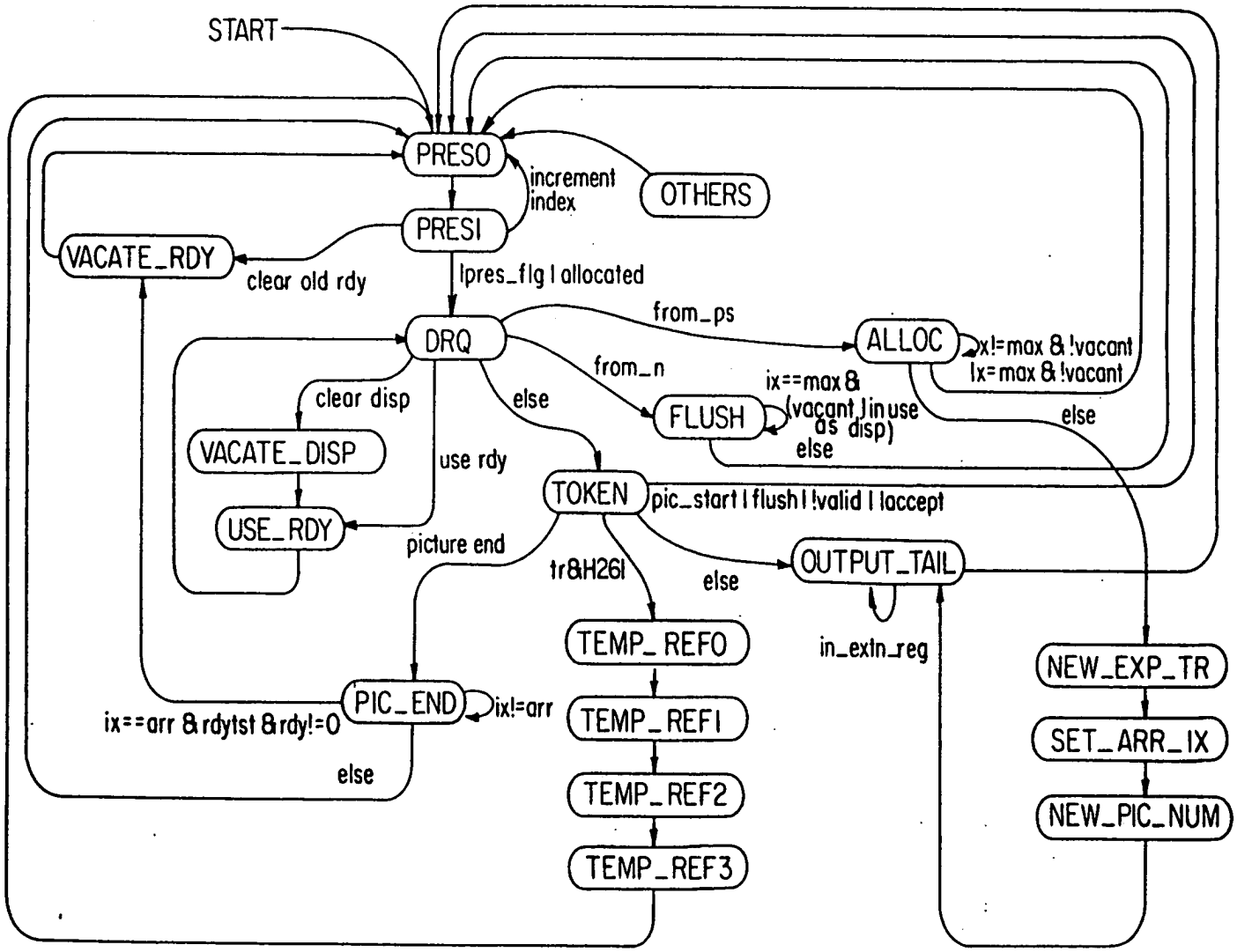


FIG. 157

PRINT OF DRAWINGS
AS ORIGINALLY FILED

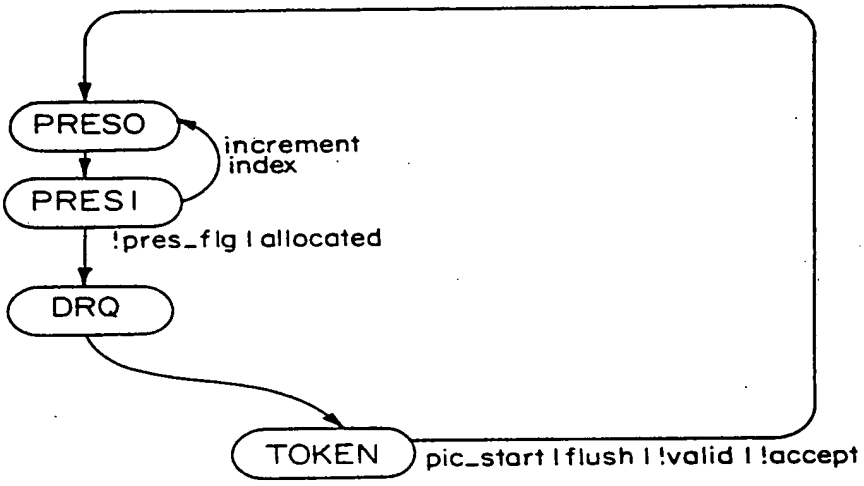


FIG. 158

PRINT OF DRAWINGS
AS ORIGINALLY FILED

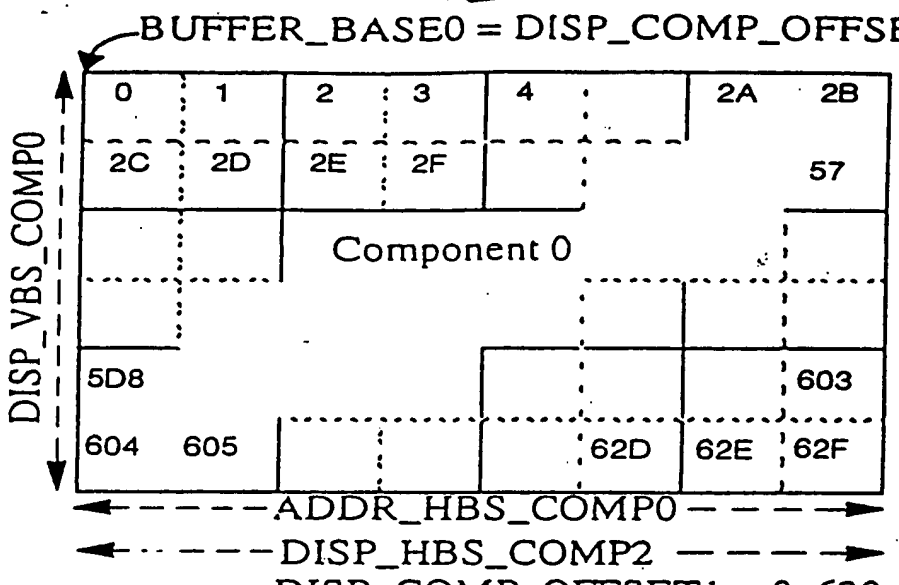


FIG. 159A

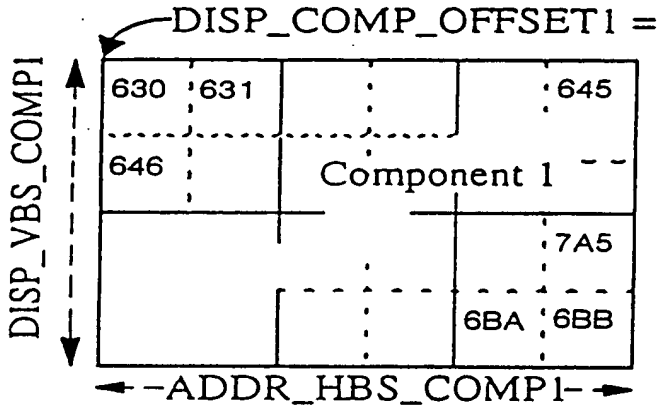


FIG. 159B

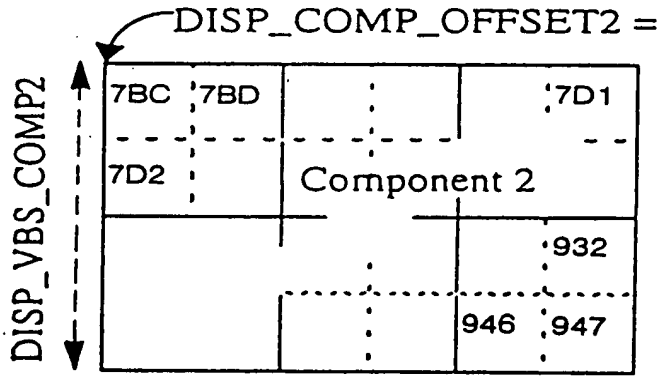


FIG. 159C

PRINT OF DRAWINGS
AS ORIGINALLY FILED

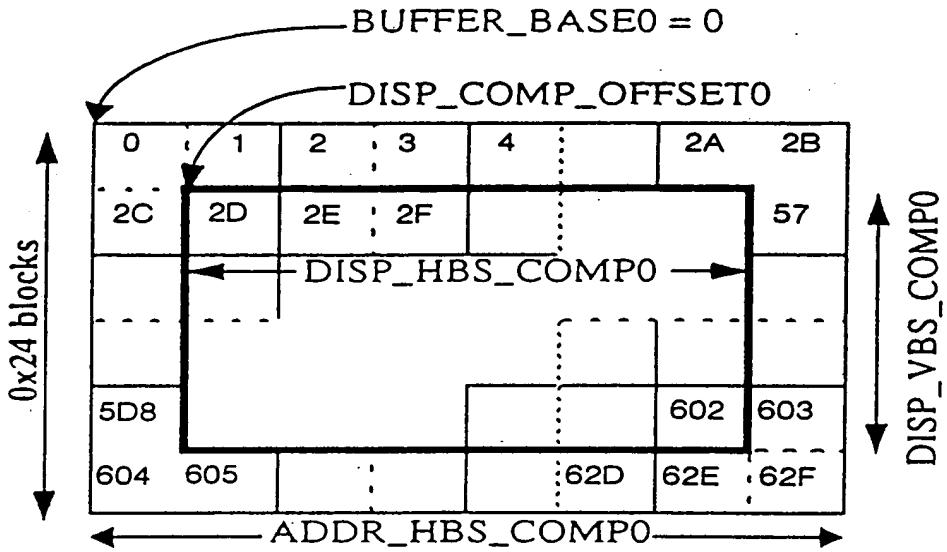


FIG. 160

PRINT OF DRAWINGS
AS ORIGINALLY FILED

BUFFER OFFSET 0x00

COMPONENT OFFSET 0x000 + ...

00	01	02	03	04	05	06	07	08	09	0A	0B
0C	0D	0E	0F	10	11	12	13	14	15	16	17
18	19	1A	1B	1C	1D	1E	1F	20	21	22	23
24	25	26	27	28	29	2A	2B	2C	2D	2E	2F
30	31	32	33	34	35	36	37	38	39	3A	3B
3C	3D	3E	3F	40	41	42	43	44	45	46	47
48	49	4A	4B	4C	4D	4E	4F	50	51	52	53
54	55	56	57	58	59	5A	5B	5C	5D	5E	5F
60	61	62	63	64	65	66	67	68	69	6A	6B
6C	6D	6E	6F	70	71	72	73	74	75	76	77
78	79	7A	7B	7C	7D	7E	7F	80	81	82	83
84	85	86	87	88	89	8A	8B	8C	8D	8E	8F

FIG. 161A

COMPONENT1 OFFSET 0x100 + ...

00	01	02	03	04	05
06	07	08	09	0A	0B
0C	0D	0E	0F	10	11
12	13	14	15	16	17
18	19	1A	1B	1C	1D
1E	1F	20	21	22	23

FIG. 161B

COMPONENT1 OFFSET 0x200 + ...

00	01	02	03	04	05
06	07	08	09	0A	0B
0C	0D	0E	0F	10	11
12	13	14	15	16	17
18	19	1A	1B	1C	1D
1E	1F	20	21	22	23

FIG. 161C

PRINT OF DRAWINGS
AS ORIGINALLY FILED

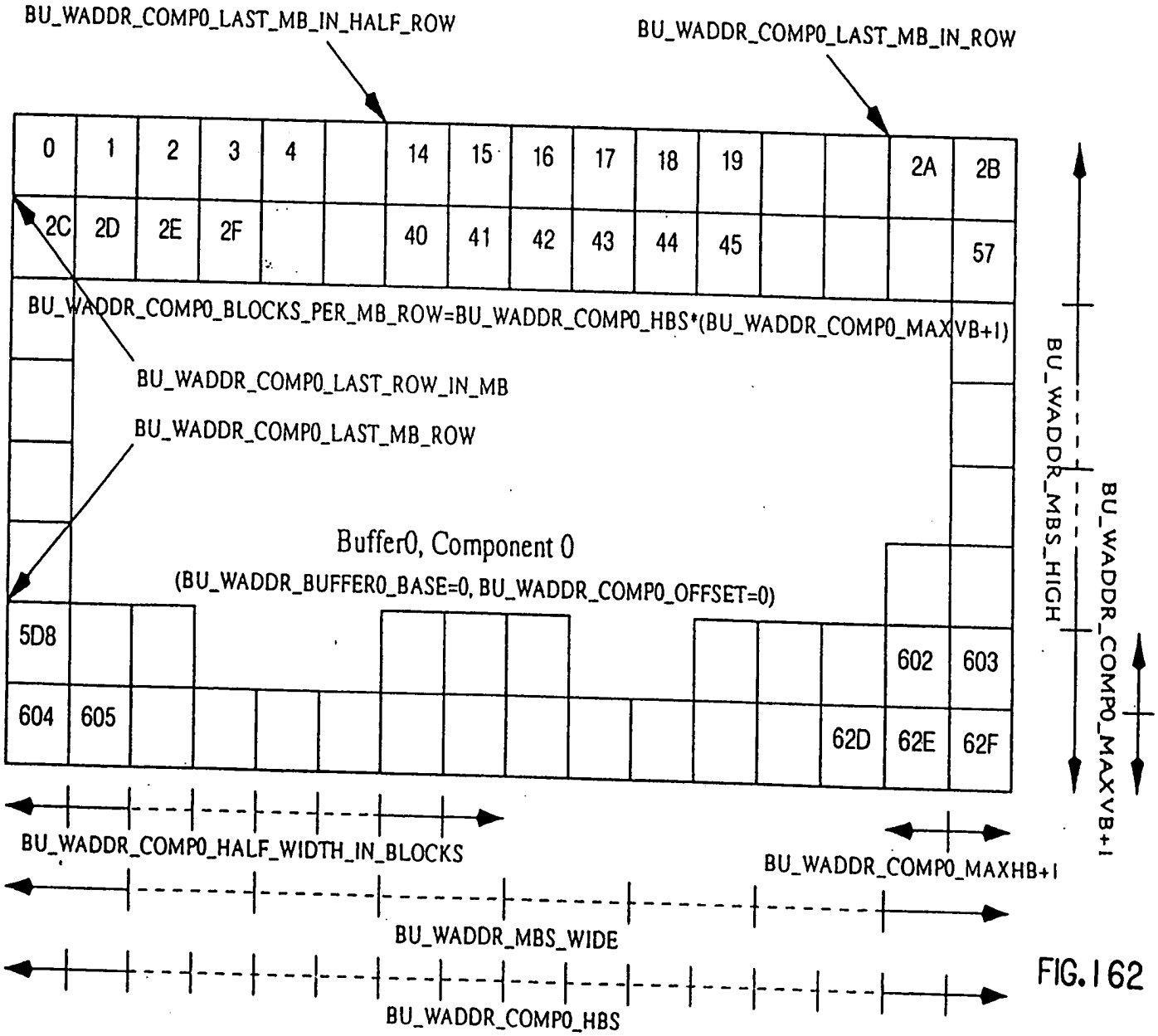
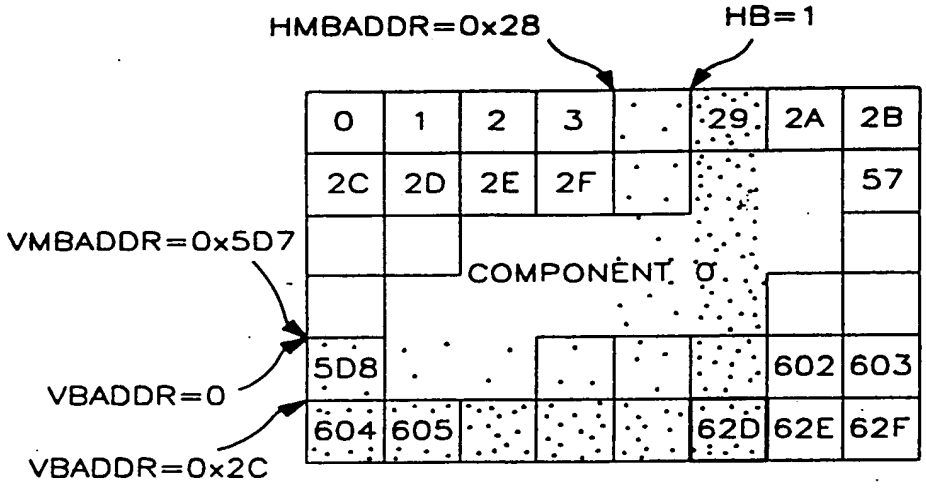


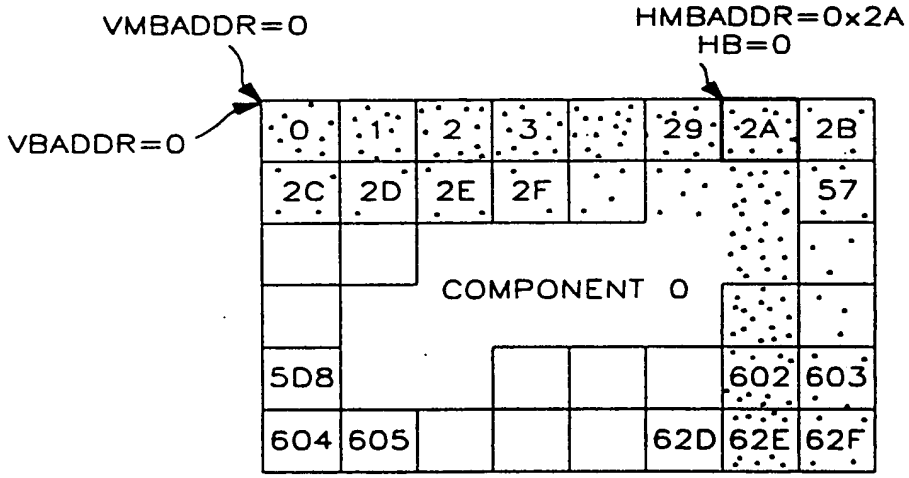
FIG. 162

PRINT OF DRAWINGS
AS ORIGINALLY FILED



BLOCK ADDRESS=0+0+0x5D8+0x28+0x2C+1=0x62D

FIG. 163A



BLOCK ADDRESS=0+0+0+0x2A+0+0=0x2A

FIG. 163B

PRINT OF DRAWINGS
AS ORIGINALLY FILED

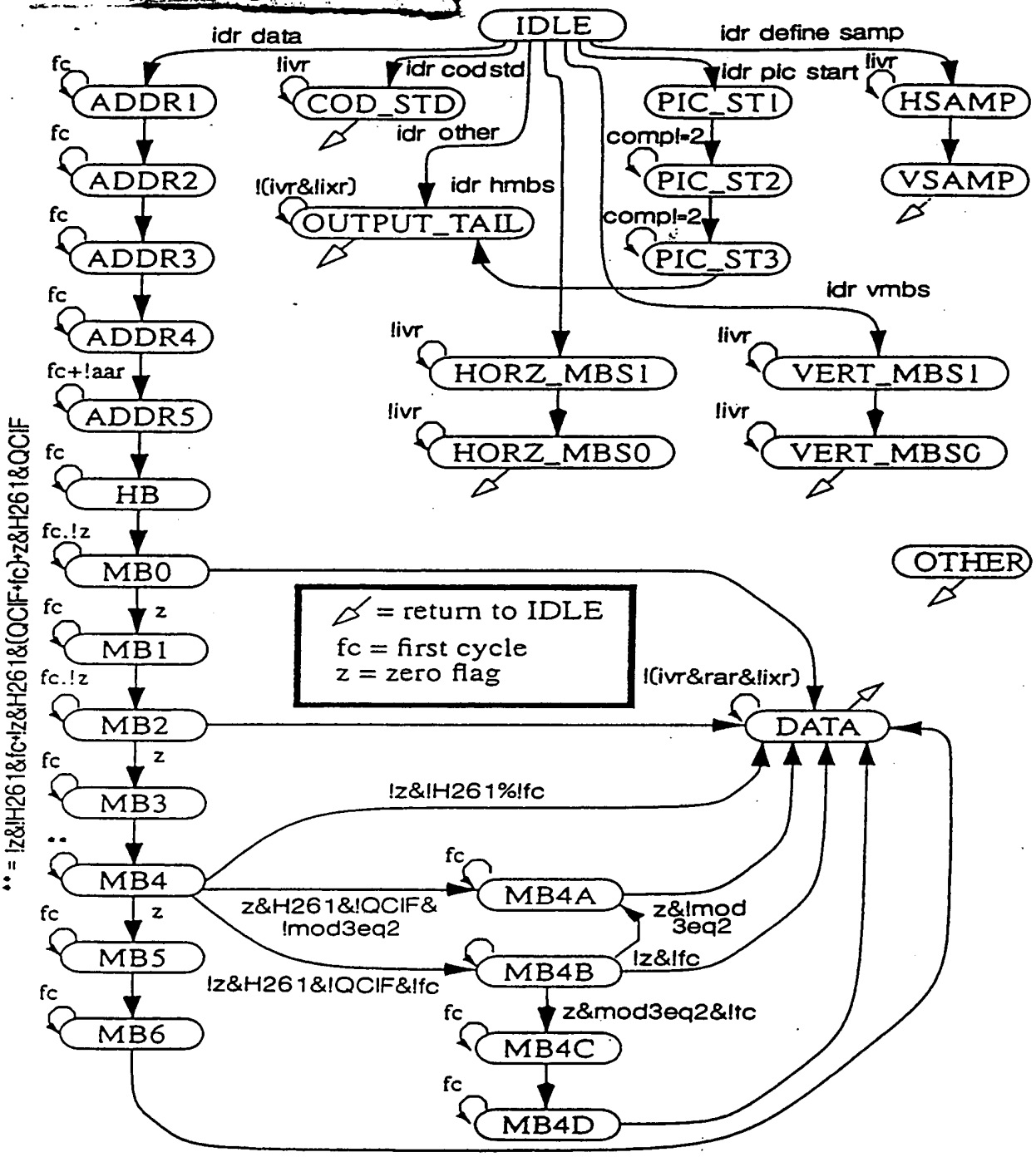


FIG. 164

PRINT OF DRAWINGS
AS ORIGINALLY FILED

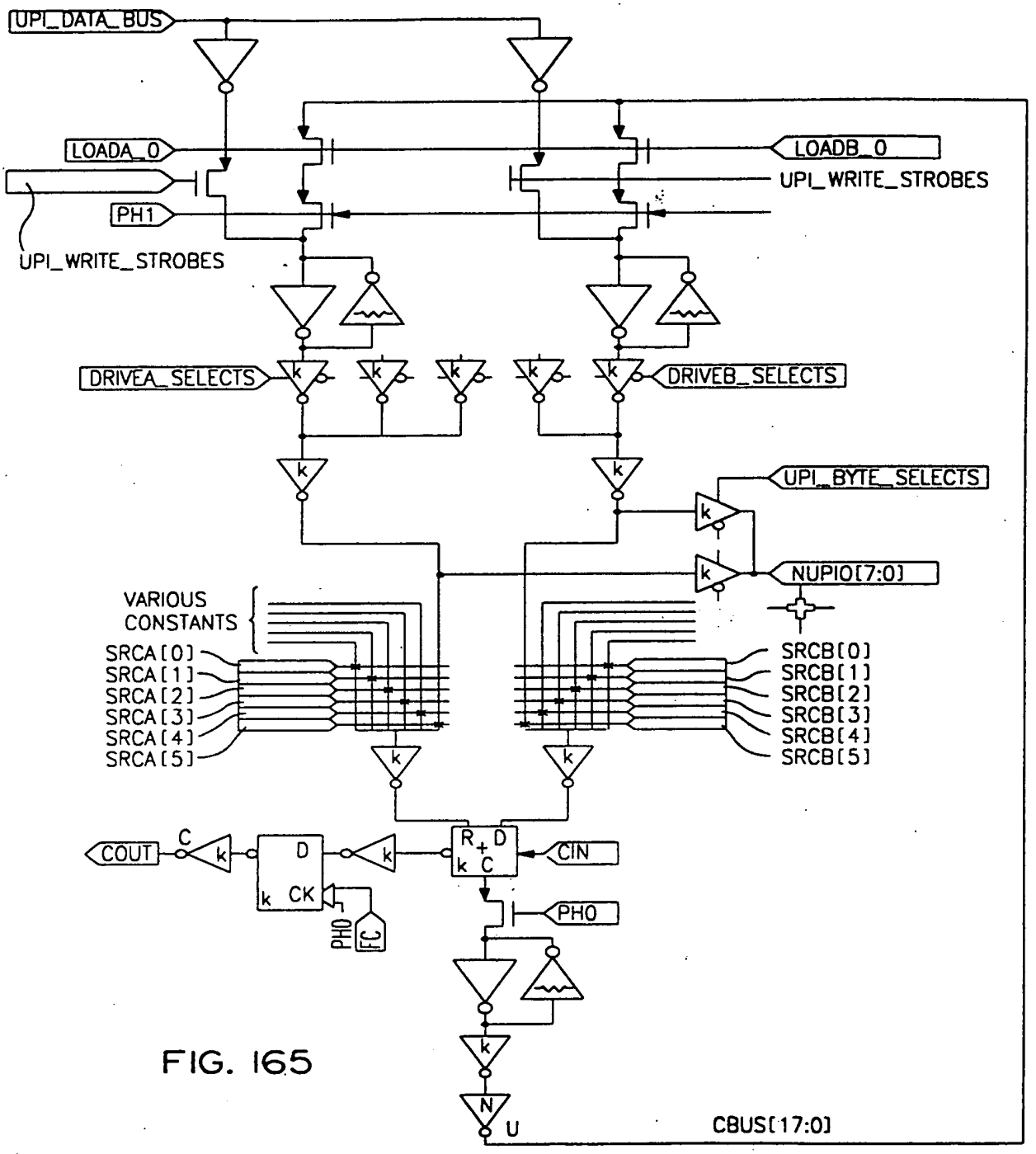


FIG. 165

PRINT OF DRAWINGS
AS ORIGINALLY FILED

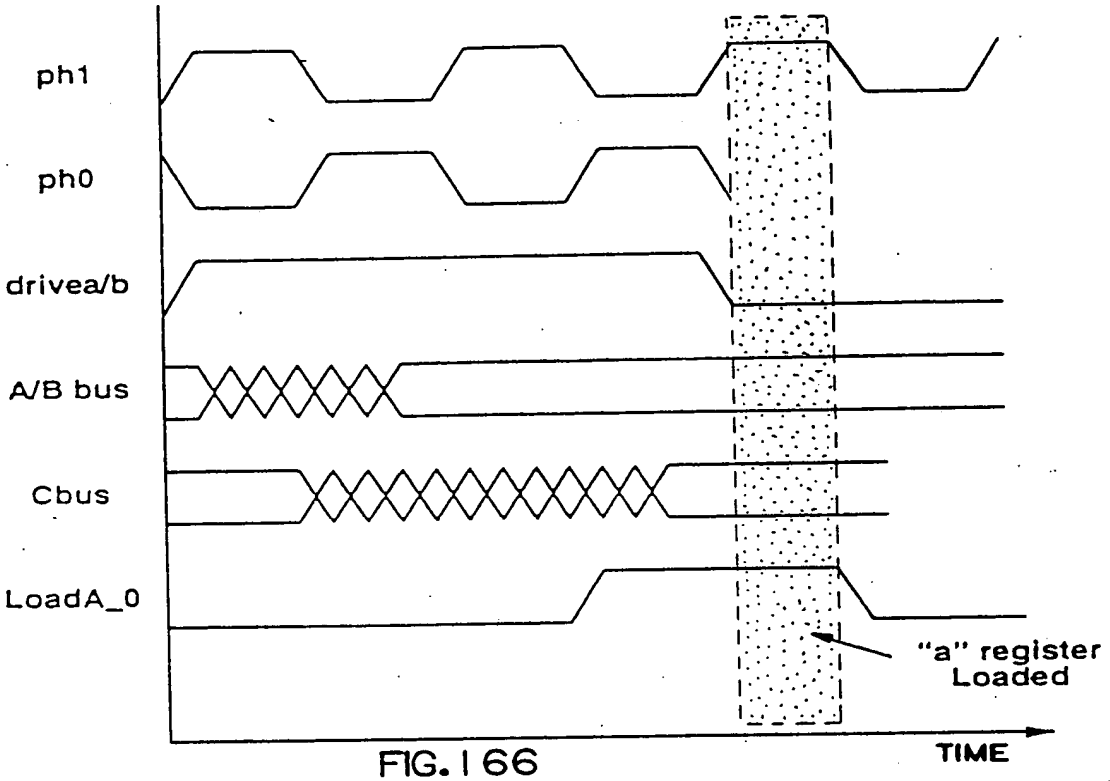


FIG. 166

PRINT OF DRAWINGS
AS ORIGINALLY FILED

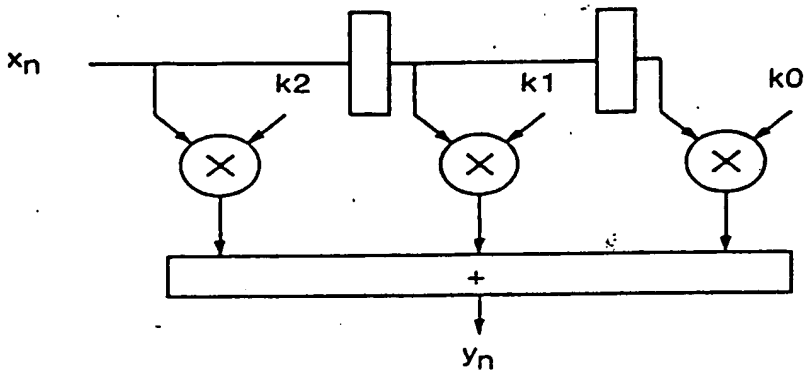


FIG. 167

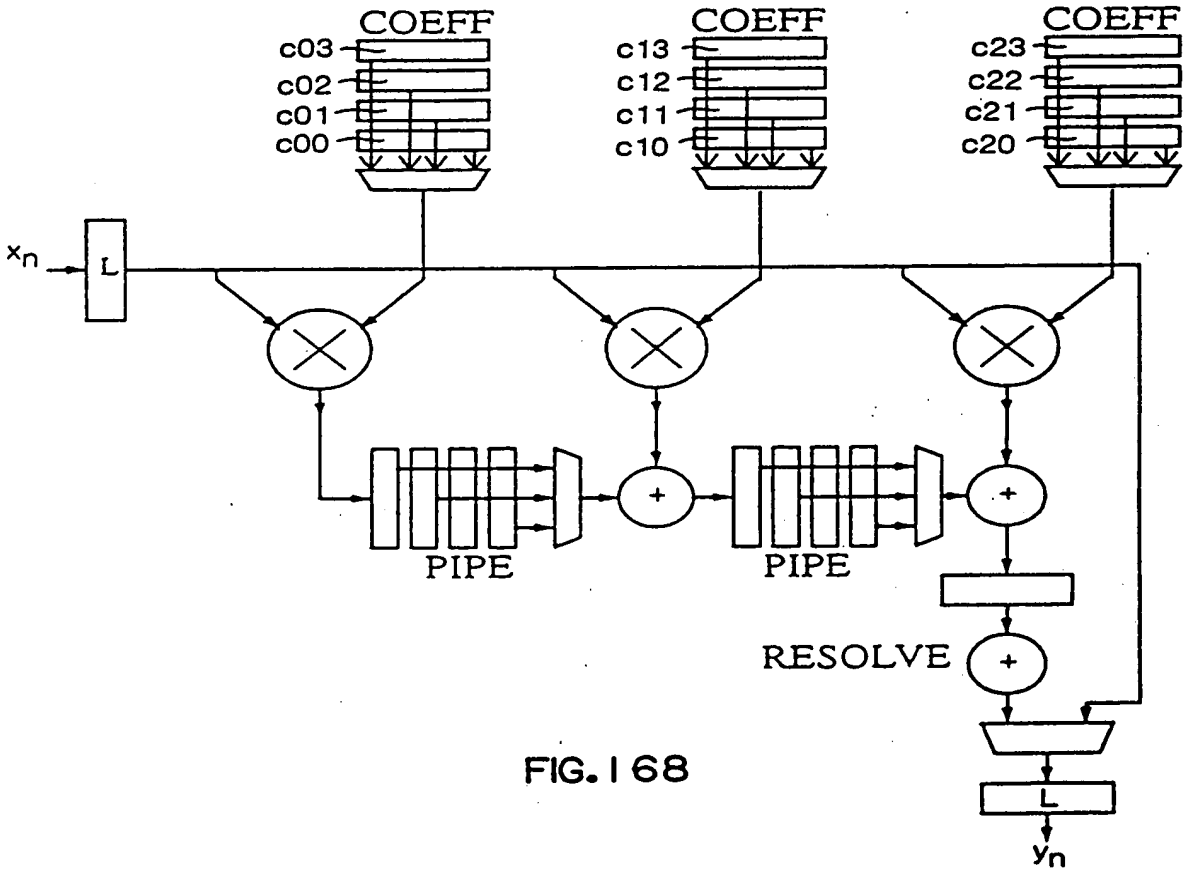


FIG. 168

PRINT OF DRAWINGS
AS ORIGINALLY FILED

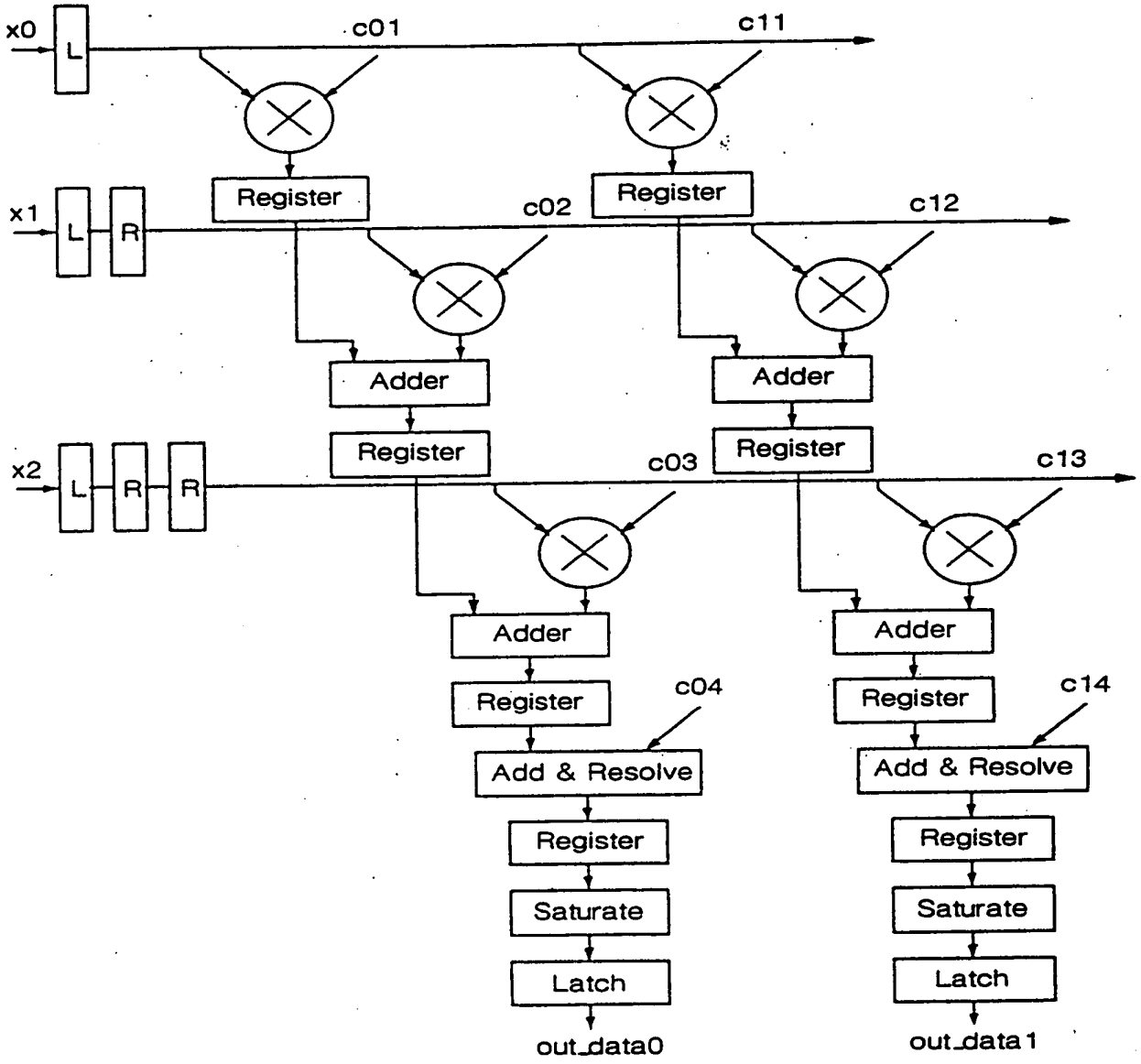


FIG. 169